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Message from the President of the United States, transmitting a communication from the Secretary of War relative to the completion of the post at Fort McKinney, Wyoming Territory

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FORT MCKINNEY, WYOMING TERRITORY.

MESSAGE

FROM THE

PRESIDENT OF THE UNITED STATES,

TRANSMITTING

A communication from the Secretary of War relative to the completion of the post at Fort McKinney, Wyoming Territory.

APRIL 6, 1882.—Referred to the Committee on Appropriations and ordered to be printed.

To the Senate and House of Representatives :

I transmit herewith, for the consideration of Congress, a letter from the Secretary of War dated the 4th instant, inclosing plans and estimates for the completion of the post of Fort McKinney, Wyoming Territory, and recommending an appropriation of \$50,000 for the purpose, in accordance with the estimates.

CHESTER A. ARTHUR.

EXECUTIVE MANSION,
April 6, 1882.

WAR DEPARTMENT,
Washington City, April 4, 1882.

I have the honor to transmit herewith plans and estimates for the completion of the post of Fort McKinney, Wyoming Territory; also a copy of the correspondence accompanying the same.

The reports inclosed clearly show the importance of maintaining and completing this post in a proper manner.

The plans include a system of water supply, which is very necessary as a protection against loss by fire.

The plans and estimates being approved by the department and division commanders and the Quartermaster-General, I beg to recommend an appropriation by Congress of \$50,000 in accordance therewith.

I am, sir, very respectfully, your obedient servant,

ROBERT T. LINCOLN,
Secretary of War.

The PRESIDENT.

FORT M'KINNEY, WYOMING TERRITORY.

OFFICE ACTING ASSISTANT QUARTERMASTER,
Fort McKinney, Wyo., February 28, 1882.

SIR: By direction of the commanding officer of the post, I have the honor to transmit herewith estimates * * with drawings for materials, &c., required to complete the post.

Very respectfully, your obedient servant,

H. DE LANG,
First Lieutenant, Ninth Infantry, A. A. Q. M.

CHIEF QUARTERMASTER,
Department of the Platte, Omaha, Nebr.

HEADQUARTERS DEPARTMENT OF THE PLATTE,
CHIEF QUARTERMASTER'S OFFICE,
Omaha, March 7, 1882.

Respectfully submitted to the Adjutant-General, Department of the Platte, for the consideration and action of the department commander. Fort McKinney is in an unfinished shape, and to complete it, as set forth in the inclosed estimates, will cost a large sum of money. The very limited yearly allotment of barracks and quarters funds made to this department admits of the application of but a small sum to each of our several posts and stations, and consequently the completion of Fort McKinney from such funds is a very remote event, if not altogether impracticable. The sum of \$50,000 asked in the within estimates will complete the post in a substantial manner, including a system of water supply, which is very important as a protection against loss by fire.

M. J. LUDINGTON,
Chief Quartermaster.

HEADQUARTERS DEPARTMENT OF THE PLATTE,
Omaha, Nebr., March 7, 1882.

Respectfully forwarded to the Adjutant-General, Military Division of the Missouri. Approved on condition that the appropriation is not to come from out of the allotment of the department.

GEORGE CROOK,
Brigadier-General, Commanding.

HEADQUARTERS MILITARY DIVISION OF THE MISSOURI,
Chicago, March 9, 1882.

Respectfully forwarded, earnestly recommending an appropriation of \$50,000 for the completion of the post of Fort McKinney, Wyoming Territory, in accordance with the inclosed estimates. This post was established as a camp on the Clear Fork of Powder River in 1878 for four companies of infantry and three of cavalry. On account of its position in the heart of the buffalo region, the region always resorted to by the Sioux, Northern Cheyennes, and Arapahoes, when at war with the whites, because of its supplies of game and isolation, the wisdom of its establishment has been amply demonstrated by the protection it has afforded in the past four years, and the encouragement it has given to settlements all along the eastern base of the Big Horn Mountains, and in the valleys of Powder River and Tongue River, and the valleys of the small streams that feed these rivers. In case of hostilities with the Indians, the region it protects would be again the battle-ground, and its necessity for many years to come is beyond question. In view of these conditions, it should be a permanent station, and the troops should be made comfortable by the improvement of the place as herein estimated for.

P. H. SHERIDAN,
Lieutenant-General, Commanding.

ADJUTANT-GENERAL'S OFFICE,
Washington, March 13, 1882.

Respectfully referred to the Quartermaster-General for remark.
By order of the Secretary of War:

R. C. DRUM,
Adjutant-General.

QUARTERMASTER-GENERAL'S OFFICE,
Washington, March 16, 1882.

Respectfully returned to the Hon. Secretary of War, through the Adjutant-General, United States Army. Fort McKinney was established in 1878, since which time some \$40,000 have been expended thereon from the annual appropriations for barracks and

quarters, exclusive of some \$6,000 from the appropriation for hospitals. From these papers it appears that the post is still in an unfinished condition, and that to complete it in a proper and substantial manner, including a system of water supply, which is very important as a protection against loss by fire, will require \$50,000 additional.

The estimate is approved by the department and division commanders, and the preceding indorsement of the Lieutenant-General, to which attention is called, very clearly sets forth the importance of maintaining and completing the post in a proper manner.

Subject to the further approval by the General of the Army, I recommend that Congress be asked to appropriate the \$50,000 called for by the plans and estimates herewith.

RUFUS INGALLS,
Quartermaster-General, Bvt. Maj. Gen., U. S. A.

HEADQUARTERS OF THE ARMY, ADJUTANT-GENERAL'S OFFICE,
Washington, March 21, 1882.

Respectfully submitted to the Secretary of War.

R. C. DRUM,
Adjutant-General.

Cost constructing one set of captains' quarters at Fort McKinney, Wyoming Territory.

35,605	feet lumber, at \$19 per M	\$676 50
20	window-sashes, 4 lights, 14 by 34, at \$1.35 per pair	13 50
18	window-sashes, 6 lights, 10 by 12, at \$1 per pair	9 00
8	panel doors $\frac{3}{4}$ by $\frac{3}{4}$ by $1\frac{1}{2}$, at \$1.45 each	11 60
9	panel doors 2 by 8 by $1\frac{1}{2}$, at \$1.75 each	15 75
10	sash-fasteners, at 30 cents each	3 00
40	sash-pulleys, at 5 cents each	2 00
40	sash-weights, at 12 cents each	4 80
240	feet sash-cord, at $1\frac{1}{2}$ cents per foot	3 60
17	door-locks, at \$1 each	17 00
8	pair butts, 4 by 4, at 25 cents each	2 00
9	pair butts, $3\frac{1}{2}$ by $3\frac{1}{2}$, at 20 cents each	1 80
2	gross screws, cut $1\frac{1}{2}$ ", No. 9, at 23 cents gross	46
1	gross screws, cut 1", No. 8, at 19 cents gross	19
1	gross screws, cut $\frac{3}{8}$ ", No. 6, at 18 cents gross	18
24	wardrobe-hooks, at \$2 per gross	33
75	pounds whiting, at 2 cents per pound	1 50
3	kegs nails, cut 20d., at \$3.75 per keg	11 25
5	kegs nails, cut 10d., at \$4.75 per keg	23 75
3	kegs nails, cut 8d., at \$4.75 per keg	14 25
1	keg nails, cut 10d., casing	4 00
1	keg nails, cut 8d., casing	4 25
14	kegs nails, cut 3d., at \$5.45 per keg	8 17
2	kegs nails, cut 4d., at \$4 per keg	8 00
3,000	bricks for chimneys, &c., at 2 cents each	60 00
125	bushels lime, at \$1 per bushel	125 00
15	bushels plastering hair, at 19 cents per bushel	2 85
14	barrels plaster of Paris, at \$2 per barrel	3 00
400	pounds white lead, at \$8.37 per 100 pounds	33 48
28	gallons linseed oil, at 75 cents per gallon	21 00
21	gallons turpentine, at 65 cents per gallon	13 65
10	pairs window-shutters, at \$2.75 per pair	27 50
10	sets fastenings for same, at \$1 each	10 00
Cost of materials		1,133 36
4	carpenters and plasterers, at \$80 per month each, for $2\frac{1}{2}$ months	800 00
Total cost of 1 set captains' quarters		1,933 36
Cost of 2 sets		3,866 72

Cost of constructing shed to one set captains' quarters.

1 006	feet lumber at \$19 per M	\$19 12
2	window-sash, 6 lights, 14 by 12, at \$1 per pair	1 00
1	panel door, $\frac{3}{4}$ by $\frac{3}{4}$ by $1\frac{1}{2}$, at \$1.75	1 75
1	door-lock and knob, at \$1	1 00
1	pair butts, $3\frac{1}{2}$ by $3\frac{1}{2}$	20

FORT M'KINNEY, WYOMING TERRITORY.

1 pair strap hinges	\$0 30
10 pounds nails, cut 4d., at \$4 per keg	40
10 pounds nails, cut 10d., at \$4.75 per keg	48
10 pounds nails, cut 20d., at \$3.75 per keg	38

Cost of material	24 63
1 carpenter 10 days, at \$80 per month	26 66

Total cost of 1 shed	51 29
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Cost of 2 sheds	102 58
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Cost of construction one porch to one set of captains' quarters.

1,783 feet lumber, at \$19 per M	\$33 88
25 pounds nails, cut 8d., at \$4.75 per keg	1 19
35 pounds nails, cut 4d., at \$4 per keg	1 40
10 pounds nails, cut 20d., at \$3.75 per keg	38
35 pounds white lead, at \$8.37 per 100 pounds	2 93
4½ gallons linseed oil, at 75 cents per gallon	3 37

Cost of material	43 15
1 carpenter, at \$80 per month, for 15 days	40 00

Total cost of 1 porch	83 15
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Cost of 3 porches	249 45
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Cost of constructing one double set of lieutenants' quarters.

43,874 feet of lumber, at \$19 per M	\$833 60
20 window-sashes, 4 lights, 14 by 34, at \$1.35 per pair	13 50
20 window-sashes, 6 lights, 12 by 10, at \$1 per pair	10 00
16 panel doors, $\frac{3}{4}$ by $\frac{3}{4}$ by 1½, at \$1.45 each	23 20
8 panel doors, $\frac{3}{4}$ by $\frac{3}{4}$ by 1½, at \$1.75 each	14 00
7 panel doors, $\frac{3}{4}$ by $\frac{3}{4}$ by 1½, at \$1.75 each	12 25
10 sash-locks, at 30 cents each	3 00
40 sash-pulleys, at 5 cents each	2 00
40 sash-weights, at 12 cents each	4 80
240 feet sash-cord, at 1½ cents per foot	3 60
16 pairs butts, 4 by 4, at 25 cents per pair	4 00
15 pairs butts, 3½ by 3½, at 20 cents per pair	3 00
3 gross screws, cut 1½", No. 9, at 23 cents per gross	69
2 gross screws, cut 1", No. 8, at 19 cents per gross	38
3 gross screws, cut ¾", No. 8, at 18 cents per gross	54
3 kegs nails, cut 20d., at \$3.75 per keg	11 25
3 kegs nails, cut 10d., at \$4.25 per keg	14 25
3 kegs nails, cut 8d., at \$4.75 per keg	14 25
2 kegs nails, cut 4d., at \$4 per keg	8 00
2½ kegs nails, cut 3d., at \$5.45 per keg	13 62
1 keg nails, cut 8d., casing	4 25
1 keg nails, cut 10d., casing	4 00
8,000 brick for chimneys, set, at 2 cents each	160 00
250 bushels lime, at \$1 per bushel	250 00
30 bushels plastering hair, at 19 cents per bushel	5 70
31 door-lock and knobs, at \$1 each	31 00
150 pounds whiting, at 2 cents per pound	3 00
3 barrels plaster of Paris, at \$2 per barrel	6 00
500 pounds white lead, at \$8.37 per 100 pounds	41 85
35 gallons linseed oil, at 75 cents per gallon	26 25
28 gallons turpentine, at 65 cents per gallon	18 20
14 pair window-shutters, at \$2.75 per pair	38 50
14 sets fastenings for same, at \$1 per set	14 00

Cost of material	1,592 68
5 carpenters and plasterers for 2½ months, at \$80 per month each	1,000 00

Total cost of 1 double set lieutenants' quarters	2,592 68
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Cost of 2 sets	5,185 36
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Cost of constructing one porch to one double set lieutenants' quarters.

2,400 feet lumber, at \$19 per M.....	\$45 60
30 pounds nails, cut 4d., at \$4 per keg.....	1 20
25 pounds nails, cut 20d., at \$3.75 per keg.....	96
25 pounds nails, cut 8d., at \$4.75 per keg.....	1 19
50 pounds white lead, at \$8.37 per 100 pounds.....	4 18
6 gallons linseed oil, at 75 cents per gallon.....	4 50
1,000 bricks for foundation, at 2 cents each.....	20 00
5 bushels lime, at \$1 per bushel.....	5 00

Cost of material..... 82 63

1 carpenter and mason for 20 days, at \$80 per month..... 53 33

Total cost 1 porch..... 135 96

Cost of 5 porches..... 679 80

Cost of constructing shed to double set of lieutenants' quarters.

1,324 feet lumber, at \$19 per M.....	\$25 16
4 window-sashes, 6 lights, 10 by 12, at \$1 per pair.....	2 00
2 panel doors, $\frac{3}{4}$ by $\frac{3}{4}$ by 1 $\frac{1}{2}$, at \$1.75 each.....	3 50
2 door locks and knobs, at \$1 each.....	2 00
4 pairs butts, $3\frac{1}{2}$ by $3\frac{1}{2}$, at 20 cents per pair.....	80
2 strap hinges, 6", at 30 cents per pair.....	60
$\frac{1}{2}$ gross screws, cut 1", No. 8, at 19 cents per gross.....	10
20 pounds nails, cut 4d., at \$4 per keg.....	80
20 pounds nails, cut 10d., at \$4.75 per keg.....	95
20 pounds nails, cut 20d., at \$3.75 per keg.....	75

Cost of material..... 36 66

1 carpenter 10 days, at \$80 per month..... 26 66

Total cost of 1 shed..... 63 32

Cost of 2 sheds..... 126 64

Cost of constructing one porch to one set of field-officers' quarters.

2,267 feet lumber, at \$19 per M.....	\$43 07
30 pounds nail, cut 4d. fine, at \$4 per keg.....	1 20
10 pounds nails, cut 20d. fine, at \$3.75 per keg.....	38
15 pounds nails, cut 10d. fine, at \$4.75 per keg.....	71
20 pounds nails, cut 8d. fine, at \$4.75 per keg.....	95
50 pounds white lead, at \$8.37 per 100 pounds.....	4 18
12 gallons linseed oil, at 75 cents per gallon.....	9 00

Cost of material..... 59 49

1 carpenter, at \$80 per month, for 15 days..... 40 00

Total cost of porch..... 99 49

Cost of fence around officers' quarters at Fort McKinney.

53,000 feet lumber, at \$19 per M.....	\$1,007 00
1,100 posts, 7 feet long, at 10 cents each.....	110 00
26 sets grate hinges and fastenings, at \$1.....	26 00
36 pairs strap hinges, 8 inches, at 30 cents each.....	10 80
6 kegs nails, cut 20d., at \$3.75 per keg.....	22 50
10 kegs nails, cut 10d., at \$4.75 per keg.....	47 50
36 thumb-latches, at \$1.06 per dozen.....	3 18
4 gross screws, cut, No. 11, $1\frac{1}{4}$ ", at 30 cents per gross.....	1 20
4 kegs nails, cut 10d., casing, at \$4 per keg.....	16 00
1,000 pounds white lead, at \$8.37 per 100 pounds.....	83 70
116 gallons boiled linseed oil, at 75 cents per gallon.....	87 00

Cost of material..... 1,414 88

10 carpenters for one month, at \$80 per month each..... 800 00

Total cost of fence..... 2,214 88

Cost of material and labor for the completion of one set field officers' quarters, six captains', and six double sets lieutenants' quarters.

2, 100 feet lumber for weather-boarding, at \$19 per M	\$399 00
6 kegs nails, cut 8d., at \$4.75 per keg	28 50
6 kegs nails, cut 10d., at \$4.75 per keg	28 50
40 bushels lime, at \$1 per bushel	40 00
1, 050 pounds whiting, at 1½ cents per pound	15 75
3, 000 pounds white lead, at \$8.37 per 100 pounds	251 10
104 gallons linseed oil, at 75 cents per gallon	78 00
10 gallons Japan dryer, at 60 cents per gallon	6 00
180 pairs window shutters, 14 by 36, 4 lights, at \$2.75 per pair	495 00
198 pairs window shutters, 10 by 12, 6 lights, at \$1.75 per pair	346 50
378 sets fastenings for same, at 20 cents per set	75 60
278 pounds chrome green, for shutters, at 12 cents	33 36
278 gallons linseed oil, at 75 cents per gallon	208 50
396 boxes roofing tin, at \$3.75 per box	3, 465 00
792 pounds solder, at 25 cents per pound	198 00

Cost of material	5, 668 81
2 painters, at \$80 per month each, 1 month	160 00
1 plasterer, at \$80 per month, 1 month	80 00
4 carpenters, at \$80 per month, 1 month	320 00
5 tinnern, at \$80 per month, for 3 months	1, 120 00

Total cost..... 7, 348 81

Cost of constructing one porch to one set of infantry barracks.

5, 534 feet lumber, at \$19 per M	\$105 14
60 pounds nails, cut 4d., at \$4.75 per keg	2 85
50 pounds nails, cut 10d., at \$4.75 per keg	2 37
40 pounds nails, cut 20d., at \$3.75 per keg	1 50
100 pounds white lead, at \$8.37 per 100 pounds	8 37
12 gallons linseed oil, at 75 cents per gallon	9 00

Cost of material	129 23
2 carpenters, at \$80 each, for 20 days	106 66

Total cost of 1 porch..... 235 89

Cost of 4 porches..... 943 56

Cost of constructing one porch to one set of cavalry barracks.

7, 050 feet of lumber, at \$19 per M	\$133 95
60 pounds nails, cut 4d., at \$4.75 per keg	2 85
100 pounds nails, cut 10d., at \$4.75 per keg	4 75
35 pounds nails, cut 20d., at 3.75 per keg	1 31
150 pounds white lead, at \$8.37 per 100 pounds	12 55
15 gallons linseed oil, at 75 cents per gallon	11 25

Cost of material	166 66
2 carpenters, at \$80 per month each, for 22 days	117 32

Total cost of 1 porch..... 283 98

Cost of 3 porches..... 851 94

Cost of constructing porch to headquarters building.

6, 125 feet lumber, at \$19 per M	\$116 30
50 pounds nails, cut 20d., at \$3.75 per keg	1 87
60 pounds nails, cut 10d., at \$4.75 per keg	2 85
50 pounds nails, cut 4d., at \$4 per keg	2 00
20 pounds nails, cut 10d., casing, at \$4.75 per keg	95
100 pounds white lead, at \$8.37 per 100 pounds	8 37
12 gallons linseed oil, at 75 cents per gallon	9 00

Cost of material	141 34
1 carpenter, at \$80 per month, for 25 days	66 66

Total cost of porch..... 208 00

Cost of material, &c., required for the completion of three sets cavalry and four sets infantry barracks, three storehouses, and one headquarters building.

83,000 feet lumber for weather-boarding, at \$19 per M.....	\$1,577 00
12½ kegs nails, cut 8d., at \$4.75 per keg.....	59 37
12½ kegs nails, cut 10d., at \$4.75 per keg.....	59 37
2,000 kegs mineral paint, at 3 cents per pound.....	60 00
320 gallons linseed oil, at 75 cents per gallon.....	240 00
300 pounds white lead, at \$8.37 per 100 pounds.....	25 11
50 pounds Prussian blue, at 45 cents per pound.....	22 50
1,700 bushels lime, at \$1 per bushel.....	1,700 00

Cost of material.....	3,743 35
4 Plasterers, at \$80 per month each, for 1 month.....	320 00
4 carpenters, at \$80 per month each, for 1 month.....	640 00

Total cost.....	4,703 35
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Cost of constructing one carpenters' and paint shop.

18,897 feet lumber, at \$19 per M.....	\$359 04
40 window-sashes, 10 by 12, 6 lights, at \$1 per pair.....	20 00
4 panel doors, ¾ by ¾ by 1½, at \$1.45 each.....	5 80
4 door locks and knobs, at \$1 each.....	4 00
4 pair butts, ¾ by ¾, at 20 cents per pair.....	80
4 pair strap hinges, 8", at 30 cents per pair.....	1 20
1 gross screws, cut 1½", No. 9.....	24
1 keg nails, cut 20d.....	3 75
1 keg nails, cut 10d.....	4 75
1 keg nails, cut 8d.....	4 75
2 kegs nails, cut 4d., at \$1 per keg.....	8 00
7 bushels lime, at \$1 per bushel.....	7 00
500 bricks, at 2 cents each.....	10 00

Cost of material.....	429 33
3 carpenters, at \$80 per month each, for 27 days.....	216 00
1 mason, at \$80 per month, for 3 days.....	8 00

Total cost.....	653 33
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Cost of constructing one blacksmith shop.

10,783 feet lumber, at \$19 per M.....	\$204 88
10 window-sashes, 10 by 12, 6 lights, at \$1 each.....	5 00
150 pounds nails, cut 4d., at \$4 per keg.....	6 00
50 pounds nails, cut 20d., at \$3.75 per keg.....	1 87
150 pounds nails, cut 10d., at \$4.75 per keg.....	7 12
50 pounds nails, cut 8d., at \$4.75 per keg.....	2 37
240 pounds bar iron for hinges, at \$4 per cwt.....	9 60
48 carriage-bolts, ½ by 5, at \$2.56 per cwt.....	1 23
7,000 bricks for forges and foundations, at 2 cents each.....	140 00
21 bushels lime, at \$1 per bushel.....	21 00

Cost of material.....	399 07
2 carpenters, at \$80 per month each, for 27 days.....	144 00
1 mason, at \$80 per month, for 1 month.....	80 00

Total cost.....	623 07
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Cost of constructing one wheelwright shop.

6,884 feet lumber, at \$19 per M.....	\$130 80
12 window-sashes, 10 by 12, 6 lights, at \$1 per pair.....	6 00
2 pair strap hinges, at 30 cents per pair.....	60
1 keg nails, cut 10d.....	4 75
50 pounds nails, cut 20d., at \$3.75 per keg.....	1 87
50 pounds nails, cut 8d., at \$4.75 per keg.....	2 37
40 pounds nails, cut 4d., at \$4 per keg.....	1 60
7 bushels lime, at \$1 per bushel.....	7 00
500 bricks for chimney, at 2 cents each.....	10 00

Cost of material.....	164 99
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1 carpenter, at \$80 per month, for 26 days	\$69 33
1 mason, at \$80 per month, for 3 days	8 00
Total cost	242 32

Cost of constructing one saddler and tin shop.

9,500 feet lumber, at \$19 per M	\$180 50
1,000 bricks for chimney, at 2 cents each	20 00
10 bushels lime, at \$1 per bushel	10 00
16 window sashes, 10 by 10, 6 lights, at \$1 per pair	8 00
3 panel doors $\frac{3}{4}$ by $\frac{3}{4}$ by $1\frac{1}{2}$, at \$1.45 each	4 35
3 pair butts, $3\frac{1}{2}$ by $3\frac{1}{2}$, at 20 cents each	60
$\frac{1}{2}$ gross screws, cut $1\frac{1}{2}$ ", No. 9, at 25 cents per gross	8
1 keg nails, cut 10d	4 75
50 pounds nails, cut 8d., at \$4.75 per keg	2 38
50 pounds nails, cut 20d., at \$3.75 per keg	1 88
50 pounds nails, cut 4d., at \$4 per keg	2 00
Cost of material	234 54
2 carpenters, at \$80 per month each, for 20 days	106 66
Total cost	341 20

Cost of constructing one cavalry stable.

68,700 feet lumber, at \$19 per M	\$1,305 30
10 kegs nails, cut 4d., at \$4 per keg	40 00
4 kegs nails, cut 8d., at \$4.75 per keg	19 00
15 kegs nails, cut 20d., at \$3.75 per keg	56 25
12 kegs nails, cut 10d., at \$4.75 per keg	57 00
6 window-sashes, 10 by 12, 6 lights, at \$1 per pair	3 00
4 panel doors, $\frac{3}{4}$ by $\frac{3}{4}$ by $1\frac{1}{2}$, at \$1.45 each	5 80
4 pair butts, $3\frac{1}{2}$ by $3\frac{1}{2}$, at 20 cents per pair	80
1 gross screws, cut $1\frac{1}{2}$ ", No. 9	25
200 pounds fire iron for door hinges, at \$4 per 100 pounds	8 00
80 carriage-bolts, at \$2.50 per hundred	2 00
10 hooks and staples, at 10 cents each	1 00
Cost of material	1,498 40
9 carpenters for 1 month, at \$80 per month each	720 00
Total cost	2,218 40

Cost of constructing quartermaster's corral.

80,913 feet lumber, at \$19 per M	\$1,537 35
23 pair strap hinges, 8 inches, at 30 cents per pair	6 90
4 gross screws, cut 1 inch, No. 9, at 19 cents per gross	76
15 kegs nails, cut 20d., at \$3.75 per keg	56 25
12 kegs nails, cut 10d., at \$4.75 per keg	57 00
6 kegs nails, cut 4d., at \$4 per keg	24 00
3 panel doors, $\frac{3}{4}$ by $\frac{3}{4}$ by $1\frac{1}{2}$, at \$1.45 each	4 35
3 door locks and knobs, at \$1 each	3 00
3 pairs butts, $3\frac{1}{2}$ by $3\frac{1}{2}$, at 20 cents per pair	60
6 window-sashes, 10 by 12, 6 lights, at \$1 per pair	3 00
23 hasps and staples, at 15 cents each	3 45
Cost of material	1,696 66
10 carpenters for 1 month, at \$80 per month each	800 00
Total cost	2,496 66

Cost of constructing one brick grain-house.

250,000 bricks, at 2 cents each	\$5,000 00
900 bushels lime, at \$1 per bushel	900 00
26,740 feet of lumber, at \$19 per M	508 36
$2\frac{1}{2}$ kegs nails, cut 4d., at \$4 per keg	10 00
2 kegs nails, cut 10d., at \$4.75 per keg	9 50

2 kegs nails, cut 20d., at \$3.75 per keg.....	\$7 50
50 pounds bar iron for hinges, at \$4 per cwt.....	2 00

Cost of material.....	6,437 36
4 bricklayers for 2 months, at \$80 per month each.....	640 00
4 laborers for 2 months, at \$40 per month each.....	320 00
2 carpenters for 1 month, at \$80 per month each.....	160 00

Total cost.....	7,557 36
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Cost of constructing one chapel and school-house.

49,572 feet of lumber, at \$19 per M.....	\$941 57
40 window-sashes, 6 lights, 10 by 10, at \$1 per pair.....	20 00
10 panel doors, $\frac{3}{4}$ by $\frac{3}{4}$ by 1 $\frac{1}{2}$, at \$1.45 each.....	14 50
10 door locks and knobs, at \$1 each.....	10 00
10 pair butts, $3\frac{1}{2}$ by $3\frac{1}{2}$, at 20 cents per pair.....	2 00
2 gross screws, cut 1 inch, No. 8, at 19 cents per gross.....	38
48 wardrobe-hooks, at \$2 per gross.....	66
3 kegs nails, cut 20d., at \$3.75 per keg.....	11 25
4 kegs nails, cut 8d., at \$4.75 per keg.....	19 00
6 kegs nails, cut 10d., at \$4.75 per keg.....	28 50
3 kegs nails, cut 4d., at \$4 per keg.....	12 00
2 kegs nails, cut 8d, finish, at \$4.25 per keg.....	8 50
1 keg nails, cut 3d., at \$5.45 per keg.....	5 45
3,000 bricks for chimneys, at 2 cents each.....	60 00
200 bushels lime, at \$1 per bushel.....	200 00
28 bushels plastering hair, at 19 cents per bushel.....	5 32
2 barrels plaster of Paris, at \$2 per barrel.....	4 00
400 pounds white lead, at \$8.37 per cwt.....	33 48
30 gallons linseed oil, at 75 cents per gallon.....	22 50

Cost of material.....	1,399 41
4 carpenters, at \$80 per month each, for 1 month.....	320 00
1 plasterer, at \$80 per month, for 1 month.....	80 00

Total cost.....	1,799 41
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Cost of constructing one set of ordnance sergeants' quarters.

9,122 feet lumber, at \$19 per M.....	\$173 31
12 window-sashes, 6 lights, 10 by 12, at \$1 per pair.....	6 00
4 panel doors, $\frac{3}{4}$ by $\frac{3}{4}$ by 1 $\frac{1}{2}$, at \$1.45 each.....	5 80
4 pair butts, $3\frac{1}{2}$ by $3\frac{1}{2}$, at 20 cents per pair.....	80
$\frac{1}{2}$ gross screws, cut 1 inch, No. 8, at 20 cents per gross.....	05
50 pounds nails, cut 20d., at \$3.75 per keg.....	1 88
1 keg nails, cut 8d.....	4 75
1 keg nails, cut 10d.....	4 75
50 pounds nails, cut 4d., at \$4 per keg.....	2 00
50 pounds nails, cut 8d., finish, at \$4.75 per keg.....	2 13
40 pounds nails, cut 3d., at \$5.45 per keg.....	2 18
1,000 bricks for chimneys, at 2 cents each.....	20 00
4 door locks and knobs, at \$1 each.....	4 00
1 barrel plaster of Paris, at \$2 per barrel.....	2 00
47 bushels lime, at \$1 per bushel.....	47 00
10 bushels plastering hair, at 19 cents per bushel.....	1 90
50 pounds white lead, at \$8.37 per 100 pounds.....	4 19
6 gallons linseed oil, at 75 cents per gallon.....	4 50

Cost of material.....	287 24
2 carpenters, at \$80 per month each, for 20 days.....	106 66
1 plasterer, at \$80 per month, for 20 days.....	5 33

Total cost.....	447 23
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Cost of machinery, &c., required at Fort McKinney, Wyoming Territory.

1 sawmill, No. 4, Griffith & Wedge, Janesville, Ohio, manufacturers.....	\$700 00
1 saw gummer.....	20 00

1 planer and matcher, 8 by 20, assorted belting	\$800 00
1 sticker with full set of knives	247 50
1 shingle machine, complete	300 00
54 feet belting leather, double, 6 inches, at \$1 per foot	64 80
24 feet belting rubber, 4 ply, 8 inches, at 60 cents per foot	14 40
24 feet belting rubber, 4 ply, 3 inches, at 29 cents per foot	6 96
80 feet belting rubber, 4 ply, 6 inches, at 38 cents per foot	30 40
36 feet belting rubber, 4 ply, 12 inches, at \$1 per foot	36 00
1 oil-cup for steam chest, large size	7 50
1 smoke-stack, 12 inches diameter, 30 feet long	50 00
1 saw arbor, 1½ inches by 20	60 00
1 shaft, 18 feet long, with 2 pulleys	69 62
1 shaft, 3 feet long, with 2 pulleys	10 65
1 tightning-pulley, 14 inches diameter, 8-inch face	5 28
1 tightning-pulley, 14 inches diameter, 12-inch face	7 22
1 shaft, 6 feet long, vertical and 2 pulleys	33 12
1 shaft, 80 feet long, 8 boxes and collars, and 5 pulleys	162 63
Total cost	2,626 08

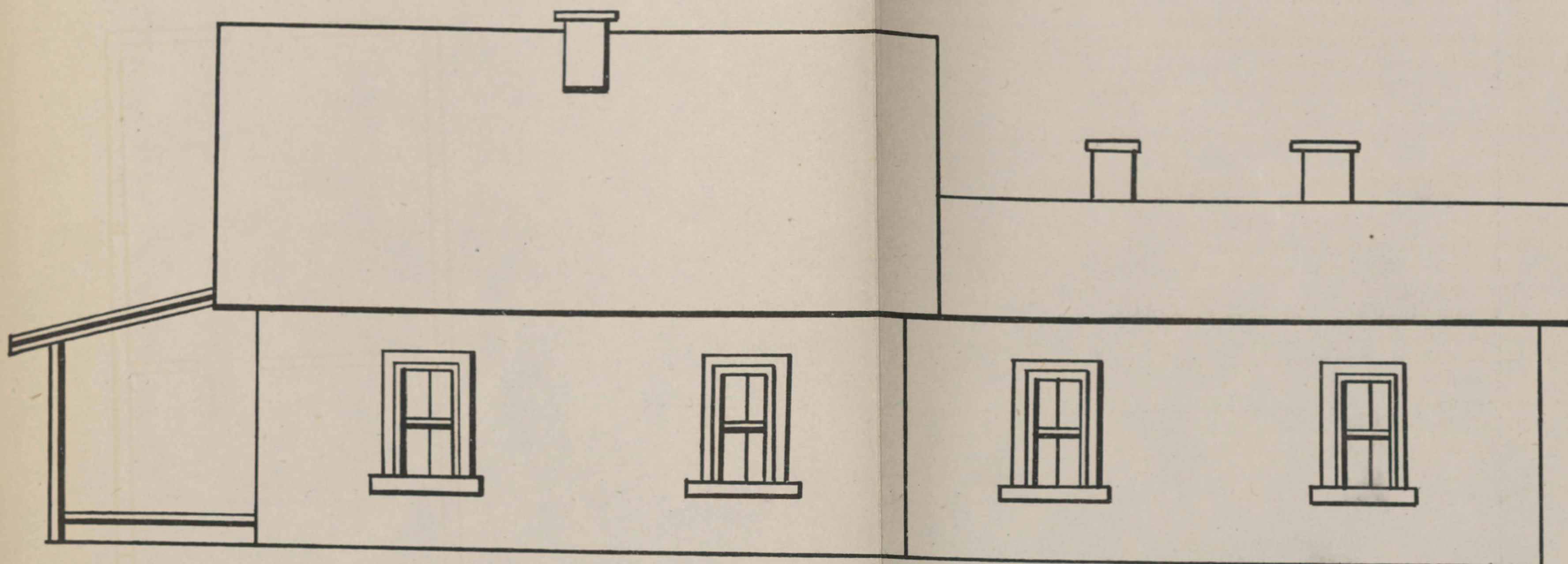
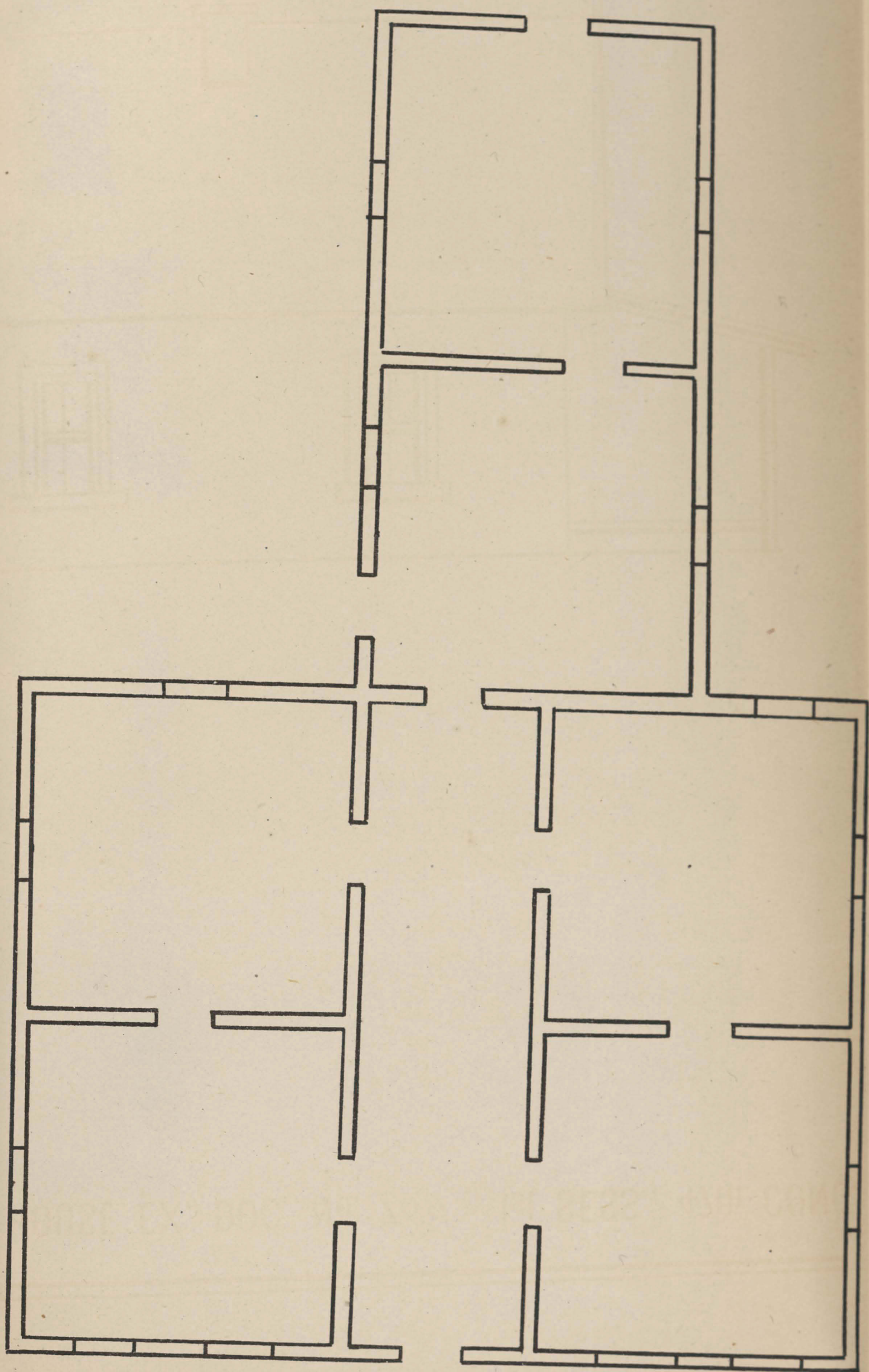
Cost of material required to supply post with water.

1, 342 feet ¾-inch iron pipe, at 65 cents per foot	\$872 30
4, 000 feet ¾-inch iron pipe, at 55 cents per foot	2,200 00
1, 200 feet 2½-inch iron pipe, at 40 cents per foot	480 00
15 hydrants, at \$45 each	675 00
15 T's, 3-inch, at \$1 each	15 00
3 T's, ¾-inch, at \$1.50 each	4 50
1 cross, 3-inch, at \$2 each	2 00
6 ells 3-inch, at 80 cents each	4 80
15 flanges, 2½-inch, at \$1.25	18 75
20 nipples, 2-inch, at 30 cents	6 00
1 water-tank, 14 by 16	235 00
Total cost	4,513 35

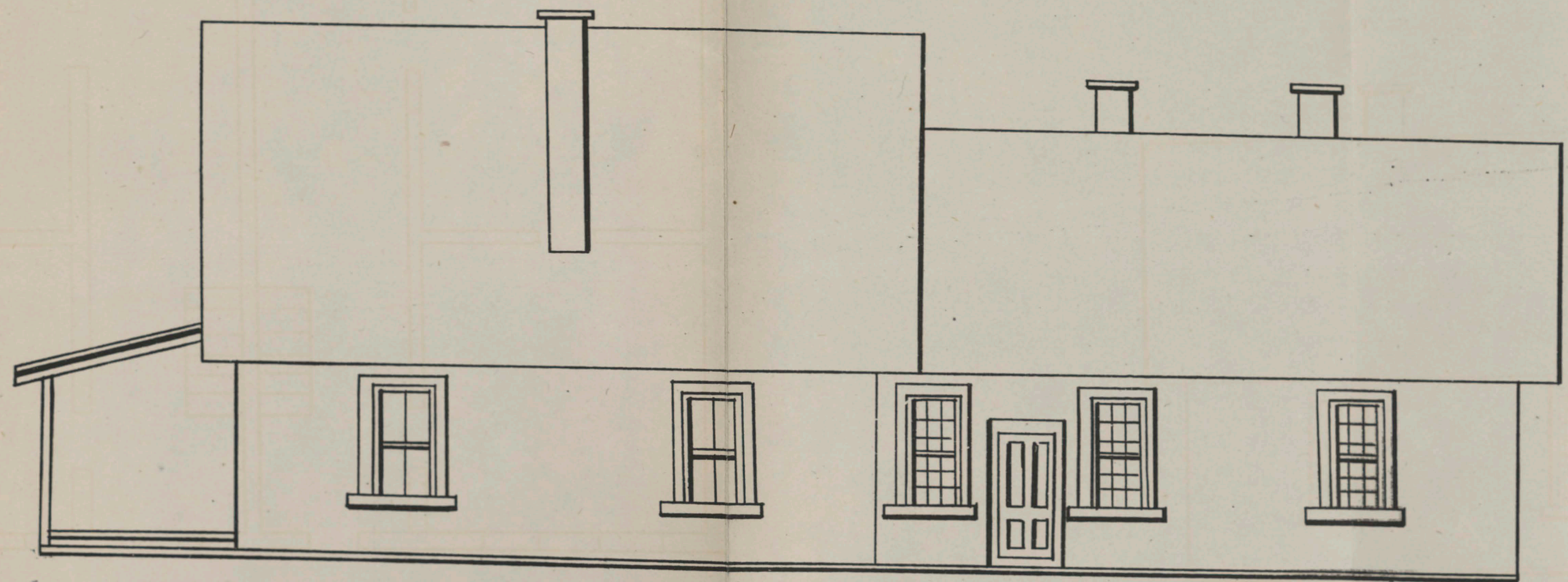
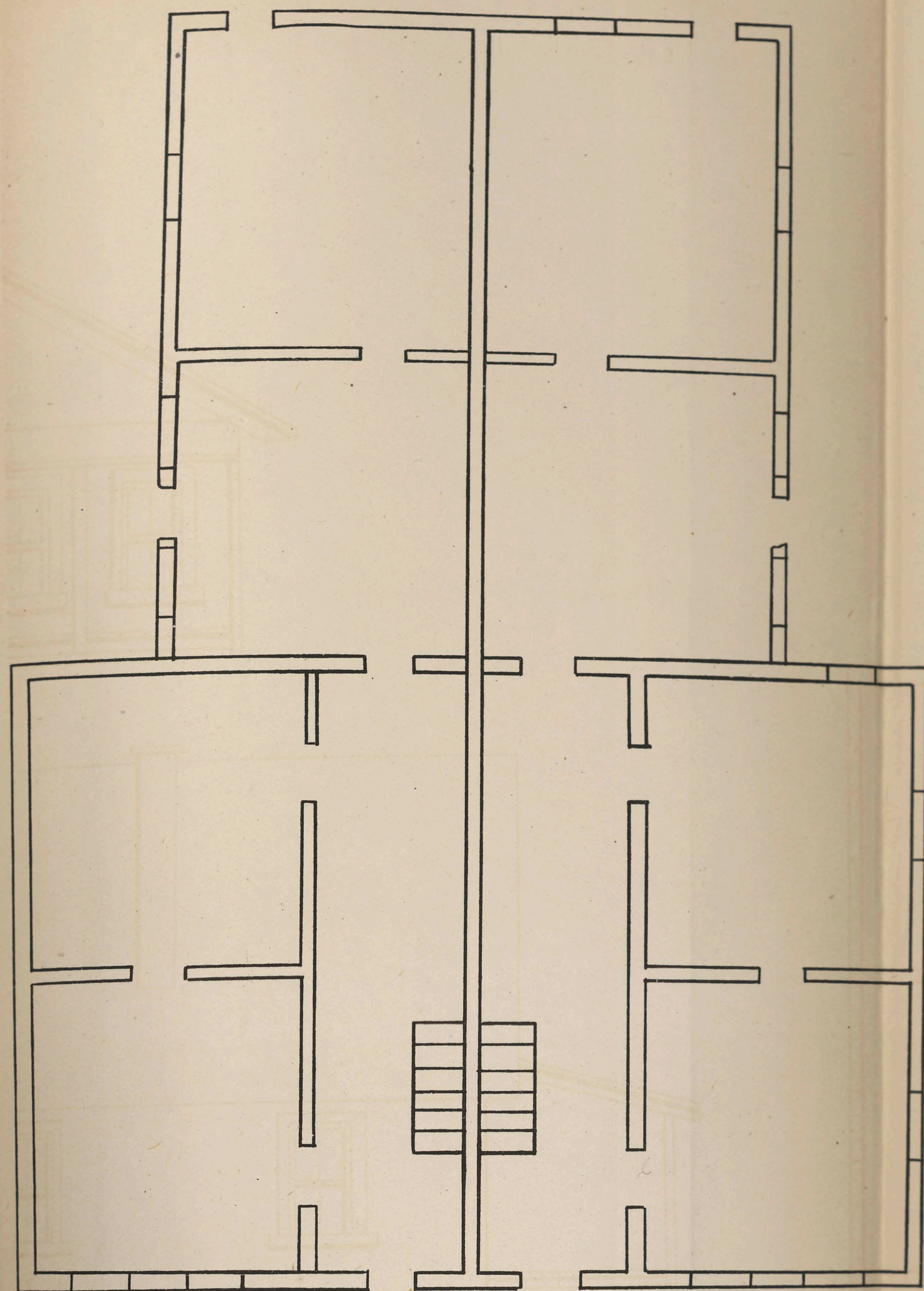
RECAPITULATION.

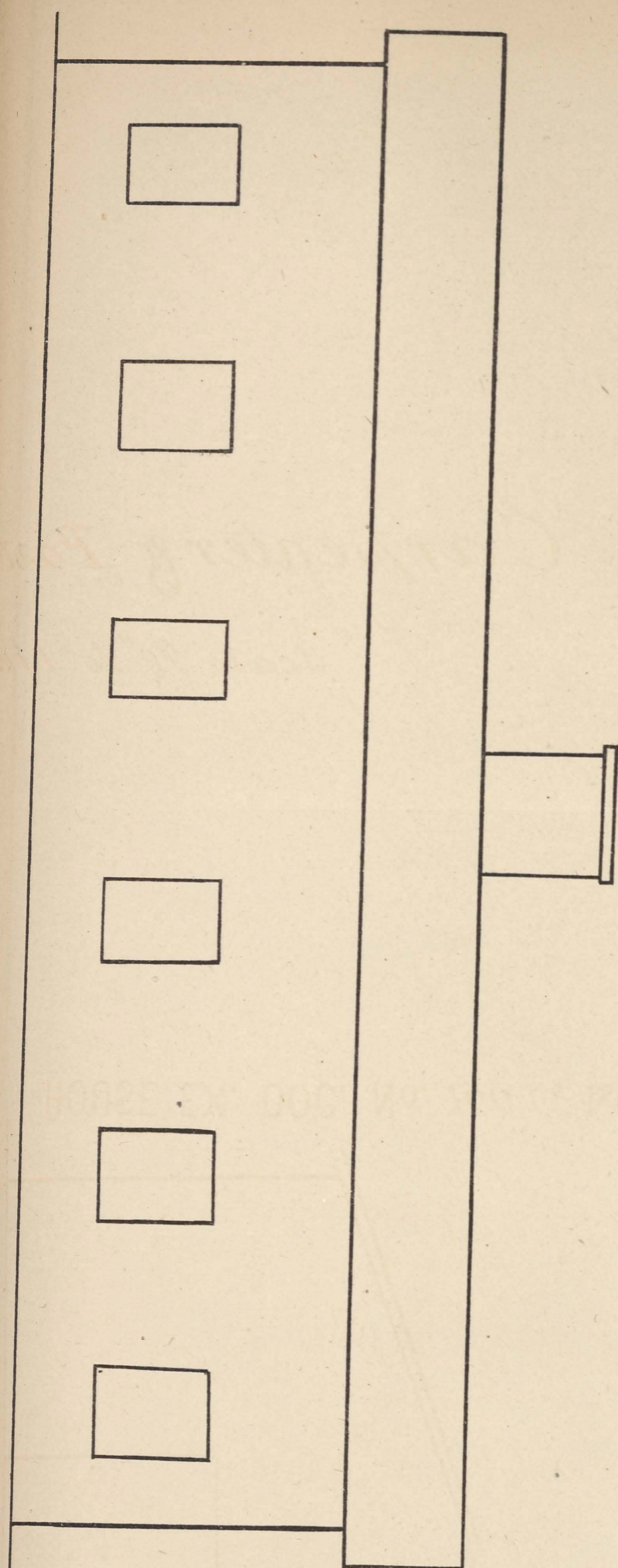
2 sets captains' quarters	\$3,866 72
2 sheds to captains' quarters	102 58
3 porches to captains' quarters	249 45
2 double sets of lieutenants' quarters	5,185 36
5 porches to lieutenants' quarters	679 80
2 sheds to lieutenants' quarters	126 64
1 porch to field officers' quarters	99 49
Fence around officers' quarters	2,214 88
Completing officers' quarters	7,348 87
4 porches to infantry barracks	943 56
3 porches to cavalry barracks	851 94
1 porch to headquarters building	208 00
1 Completing men's barracks	4,703 35
carpenter and paint shop	653 33
1 blacksmith shop	627 07
1 wheelwright shop	242 32
1 saddler and tin shop	341 20
1 cavalry stable	2,218 40
1 quartermaster corral	2,496 66
1 brick grain-house	7,557 36
1 chapel and school-house	1,799 41
1 set ordnance sergeants' quarters	447 23
1 Machinery, &c	2,626 08
Water-works	4,513 35
Total	50,098 99

Captains Quarters
Scale 1" to 10 feet



Double set of Lieutenants Quarters
Scale 1" to 10 feet





Carpenter & Paint shop

Scale 1/8" to 1 foot

Paint shop

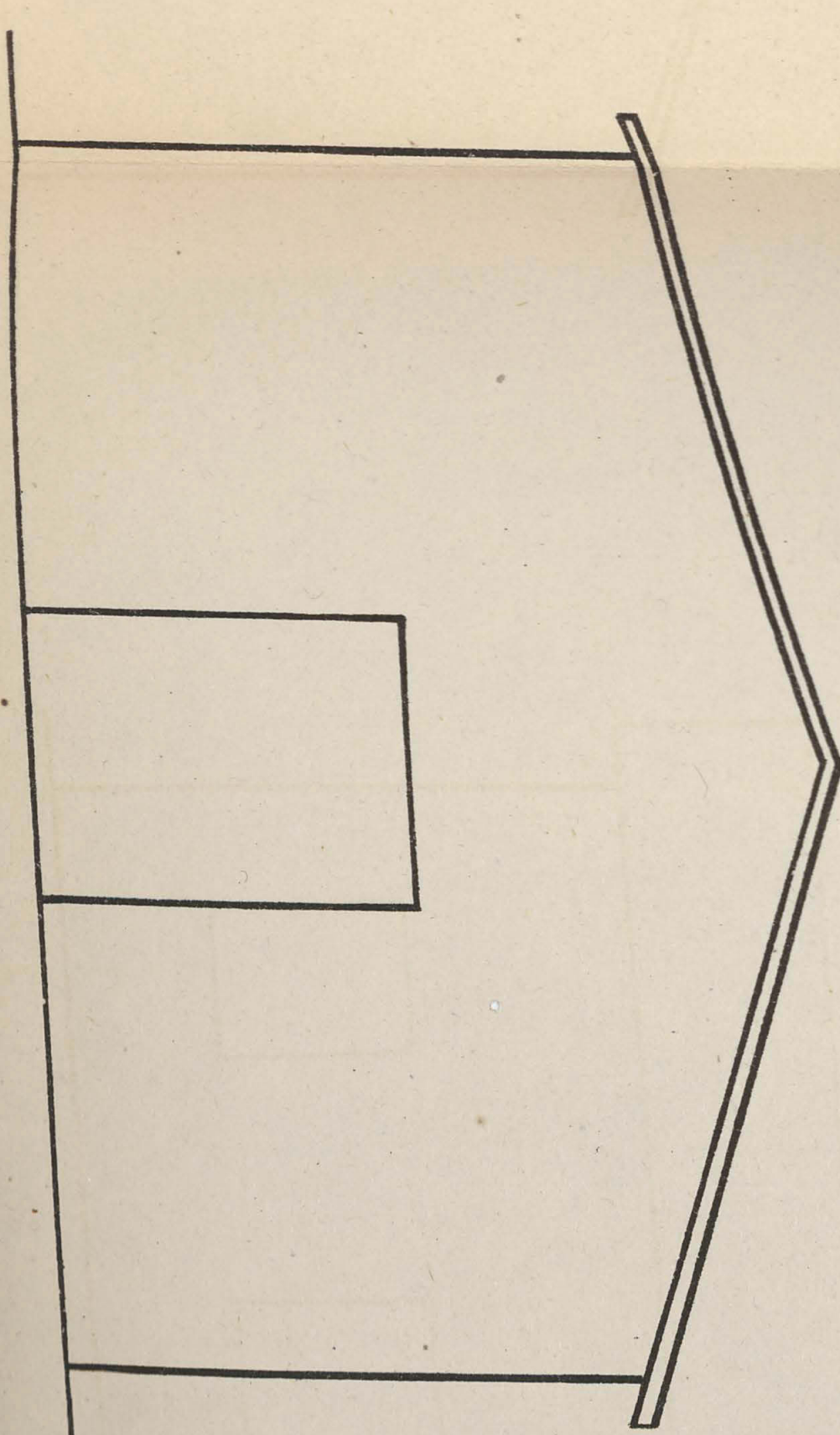
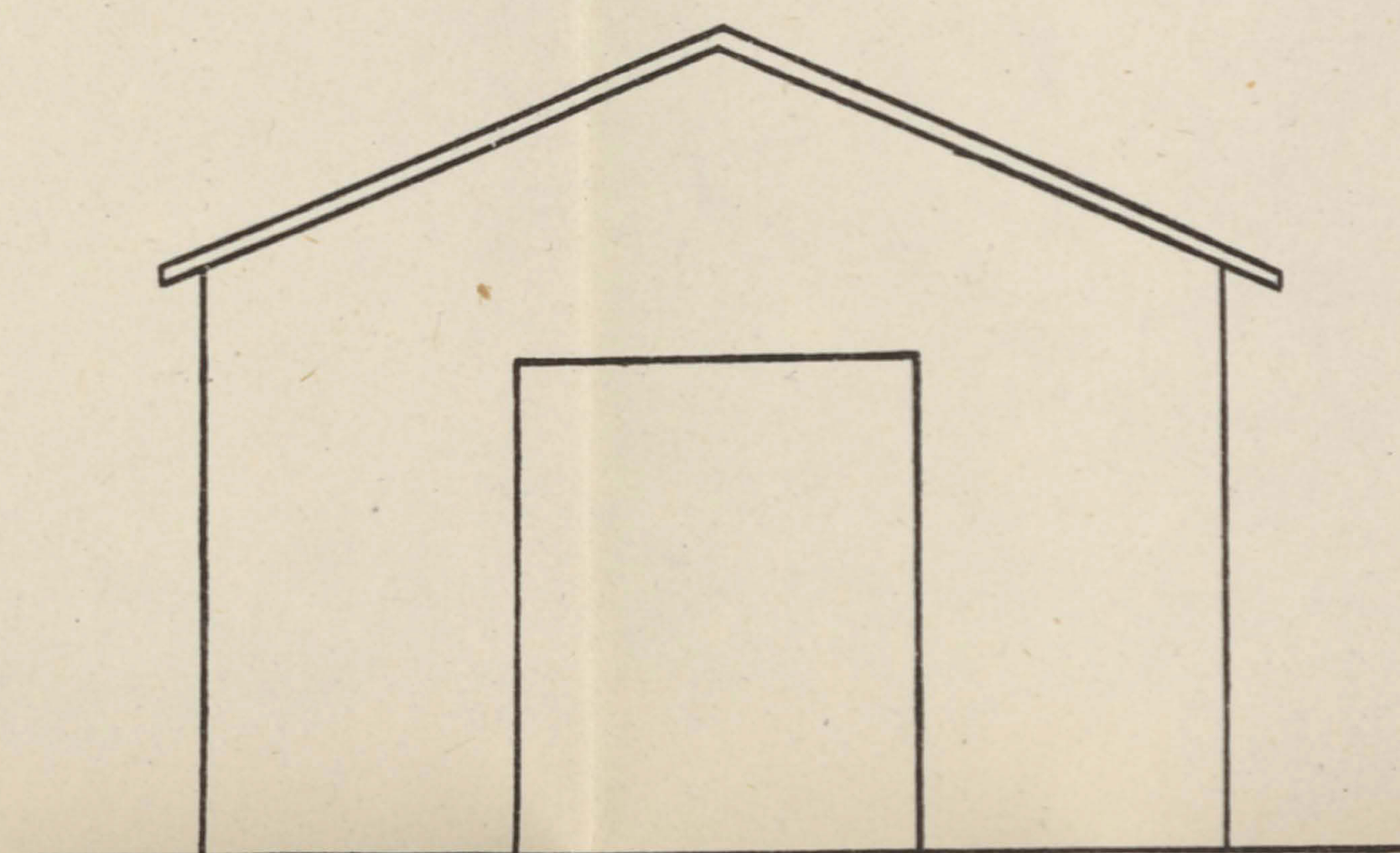
18 x 20

Store room

12 x 20

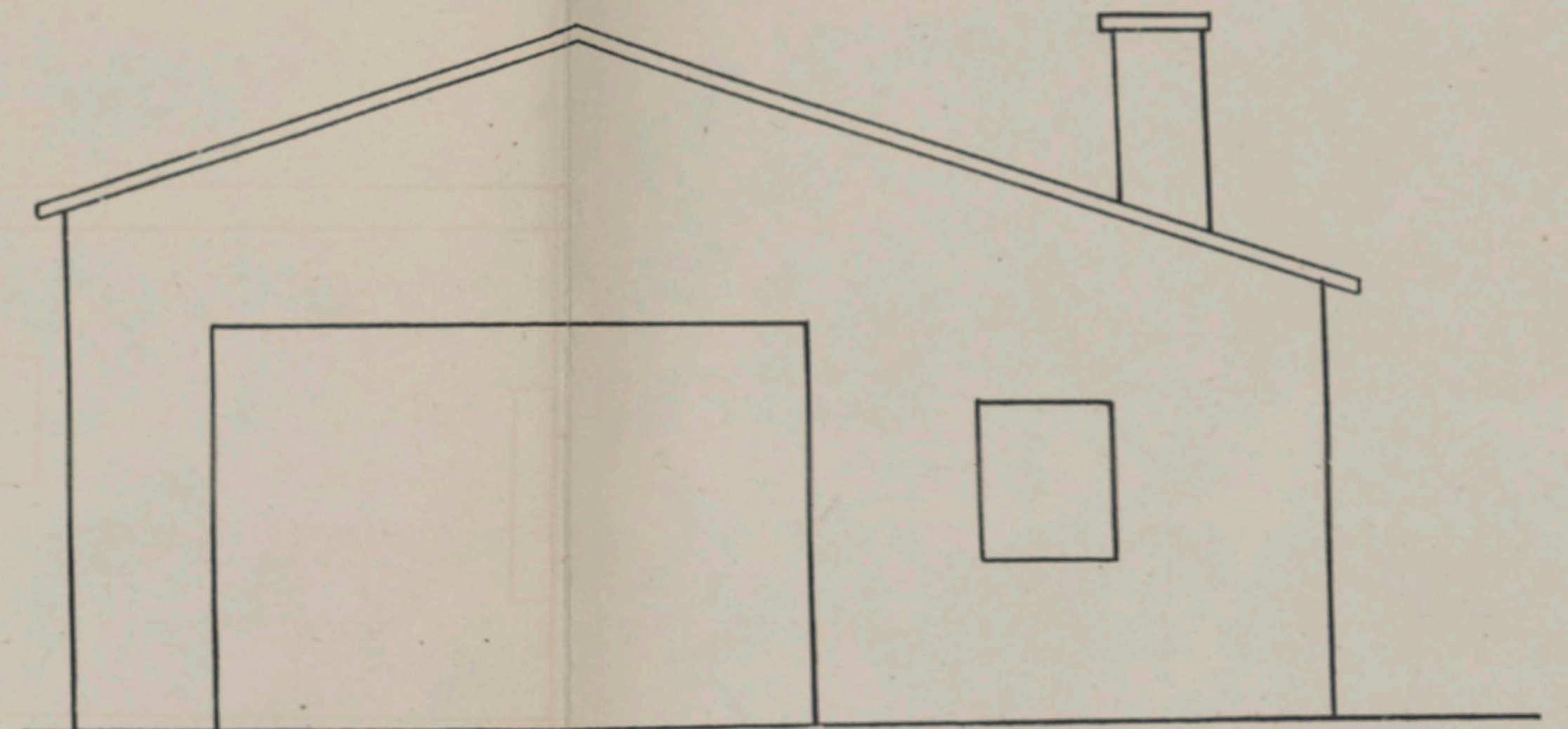
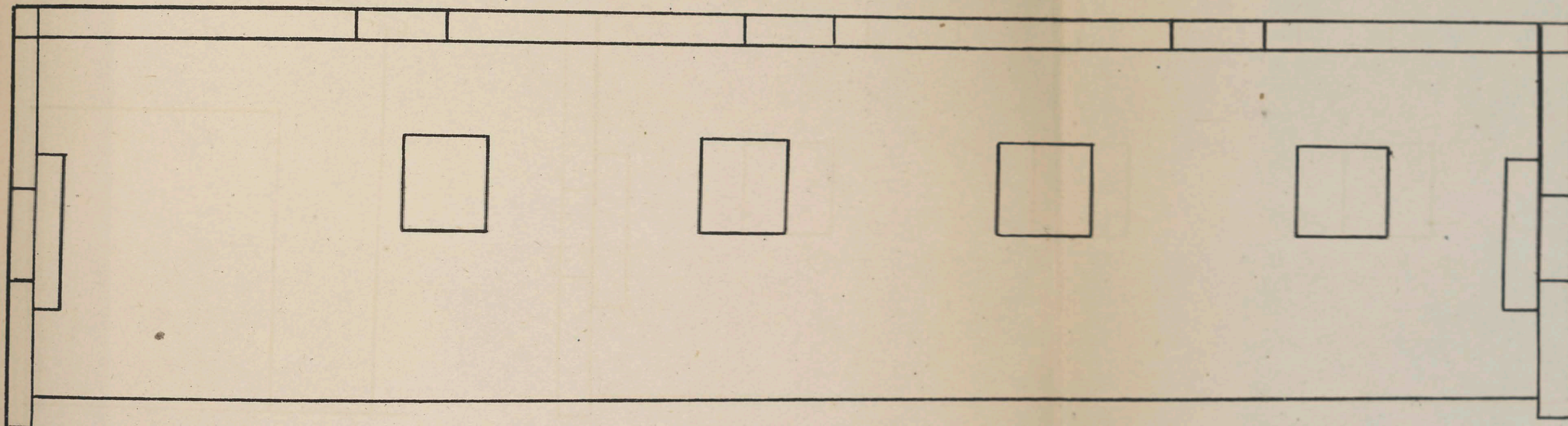
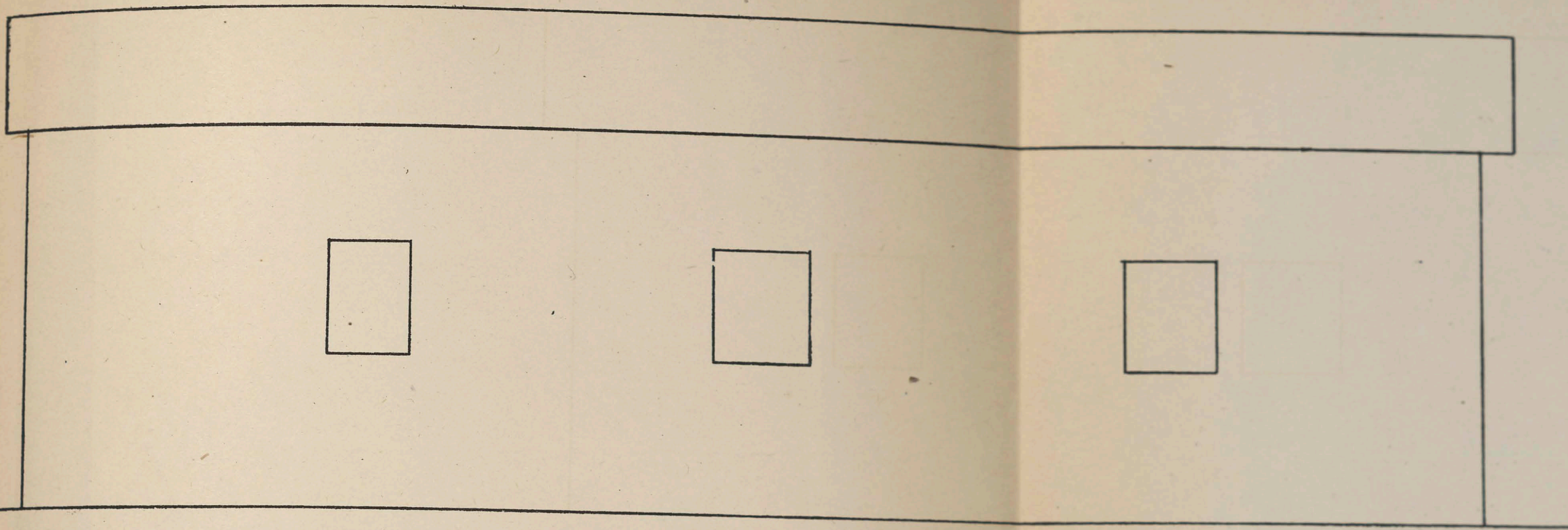
Carpenter shop

50 x 25

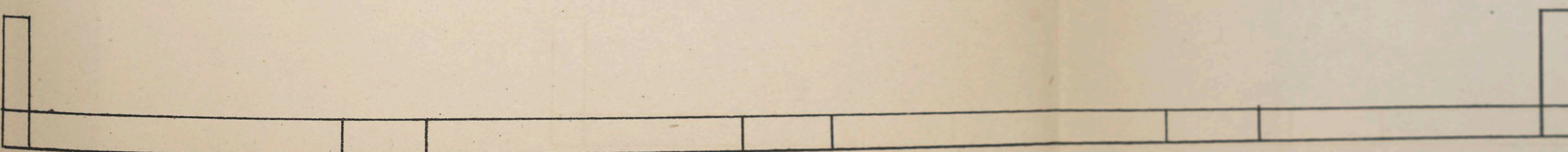


Blacksmith's Shop

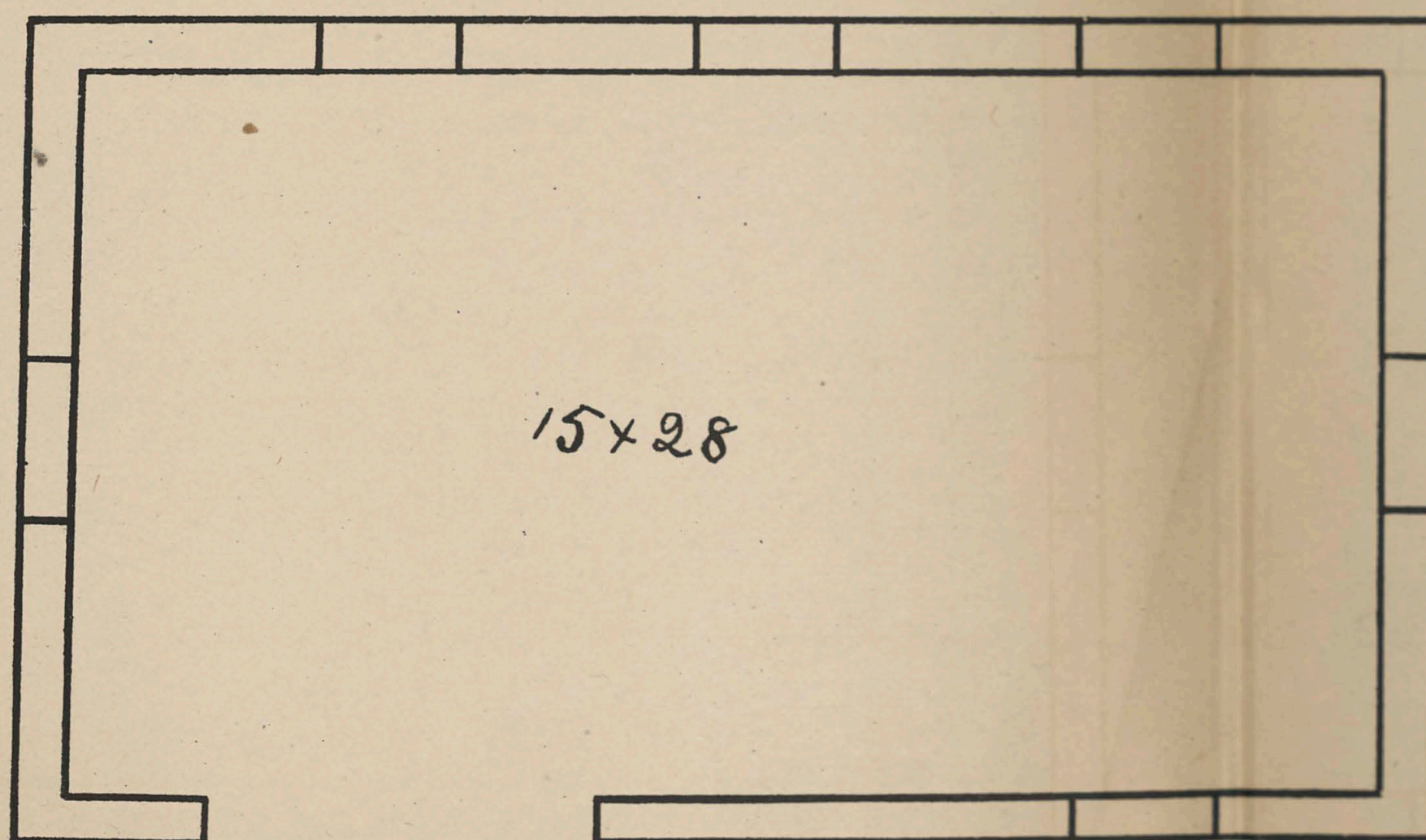
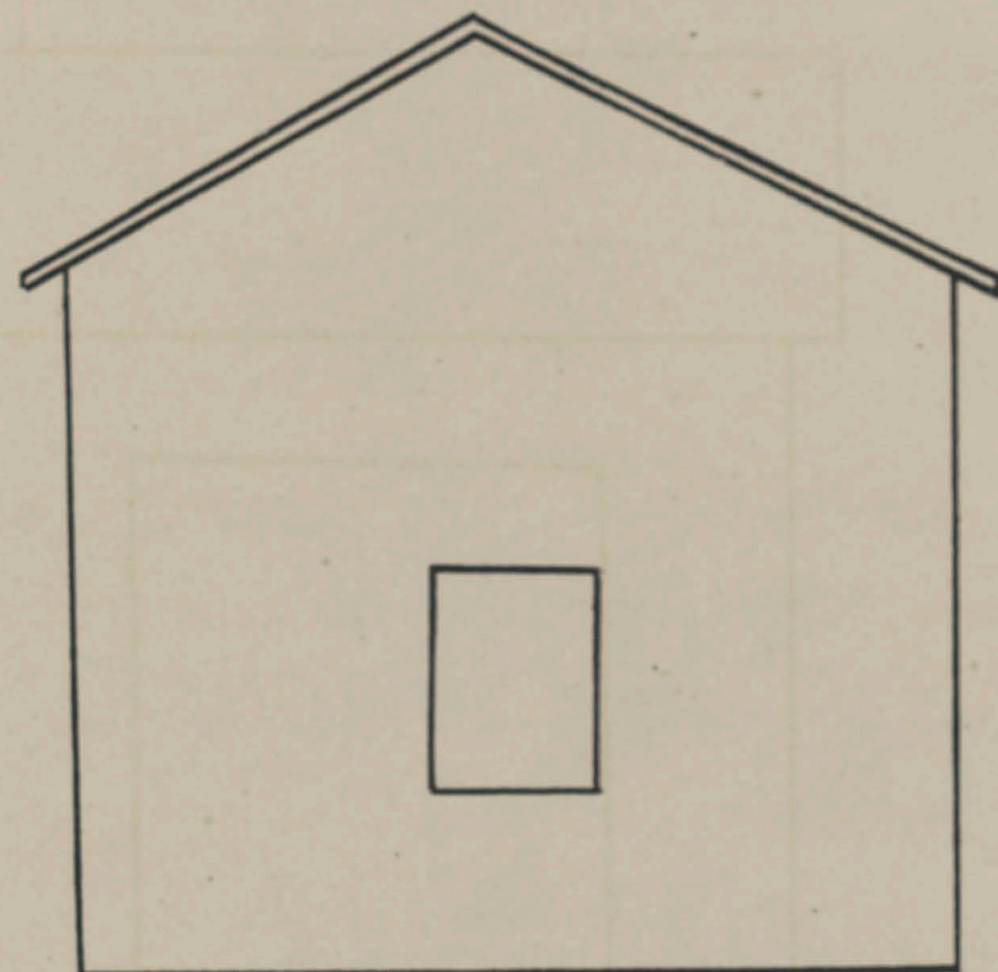
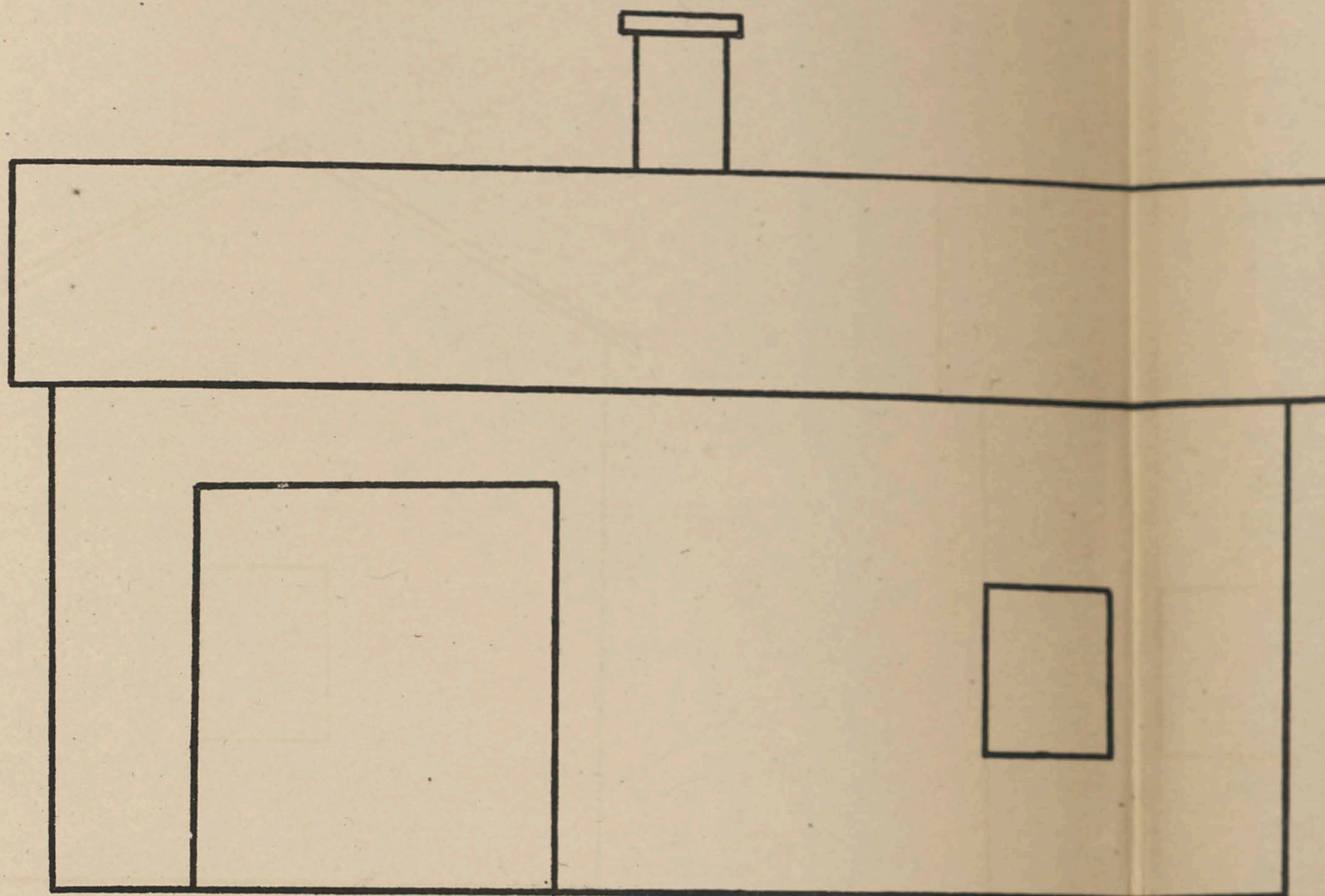
Scale 1/8" to 1 foot



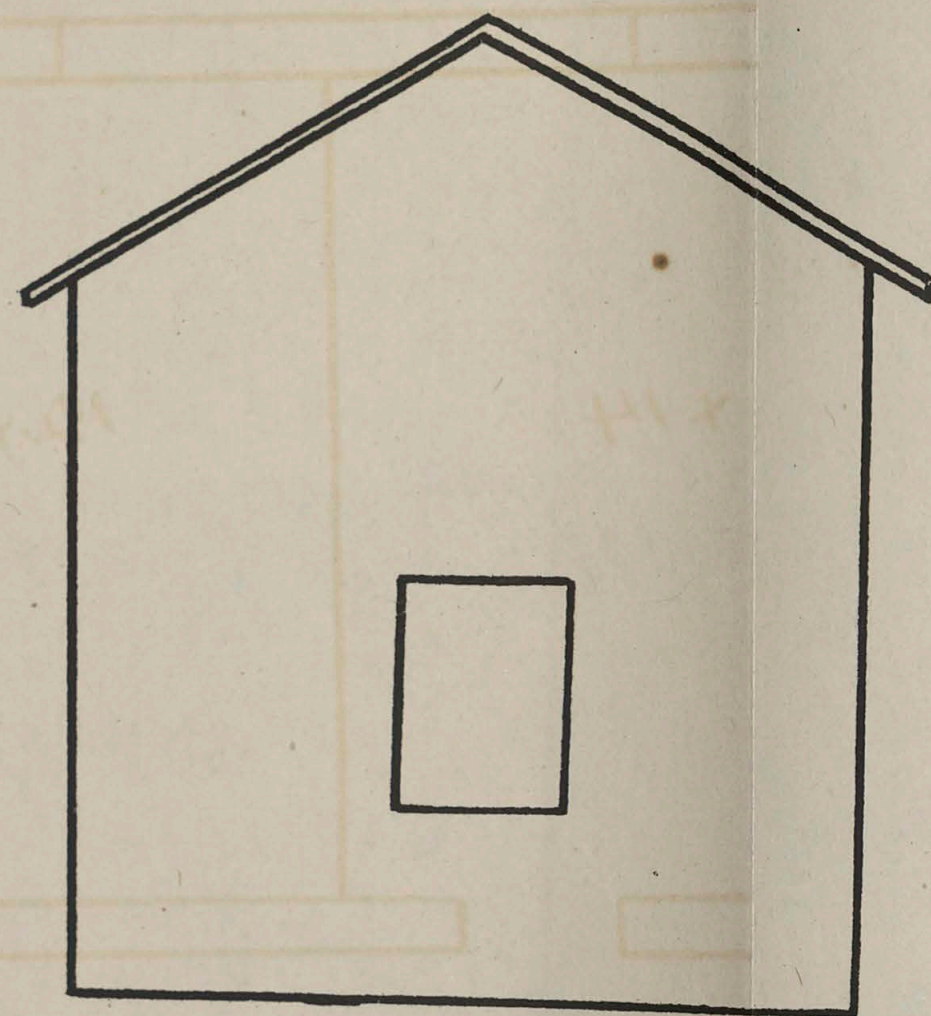
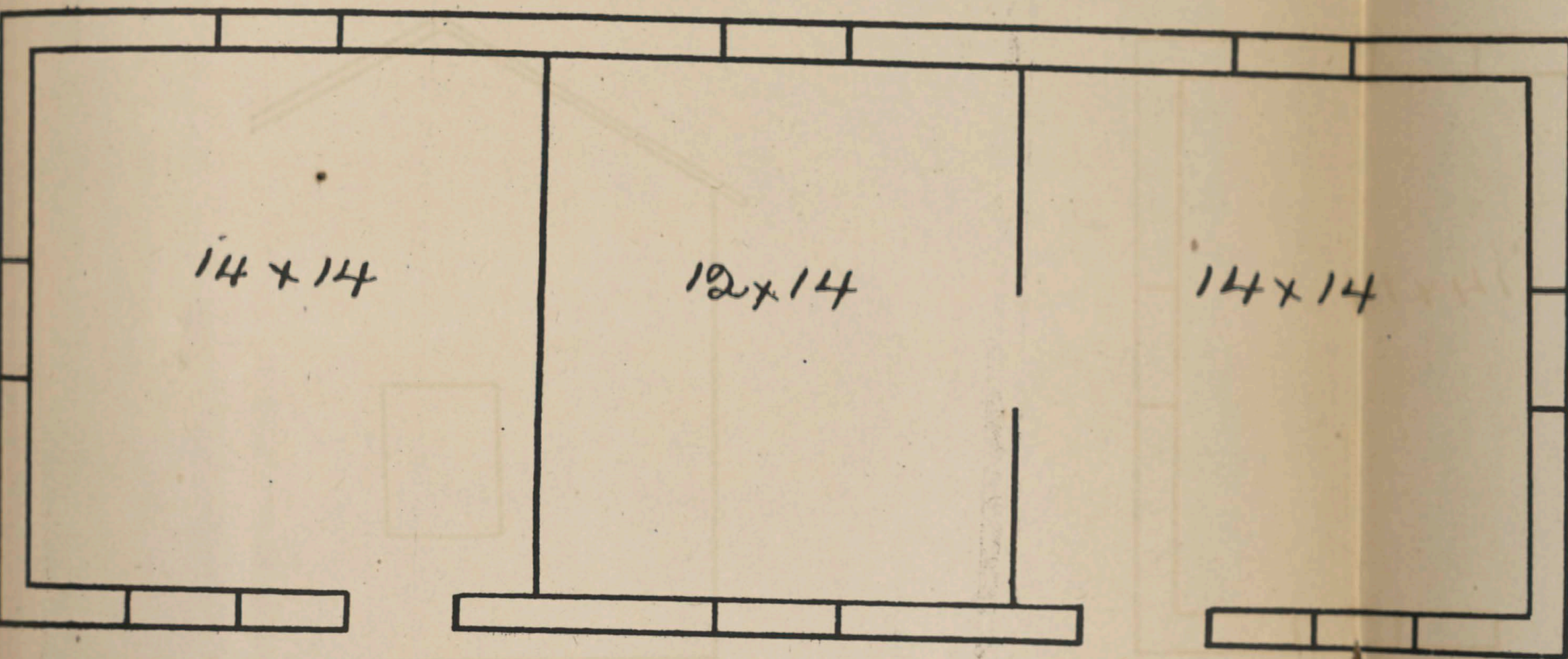
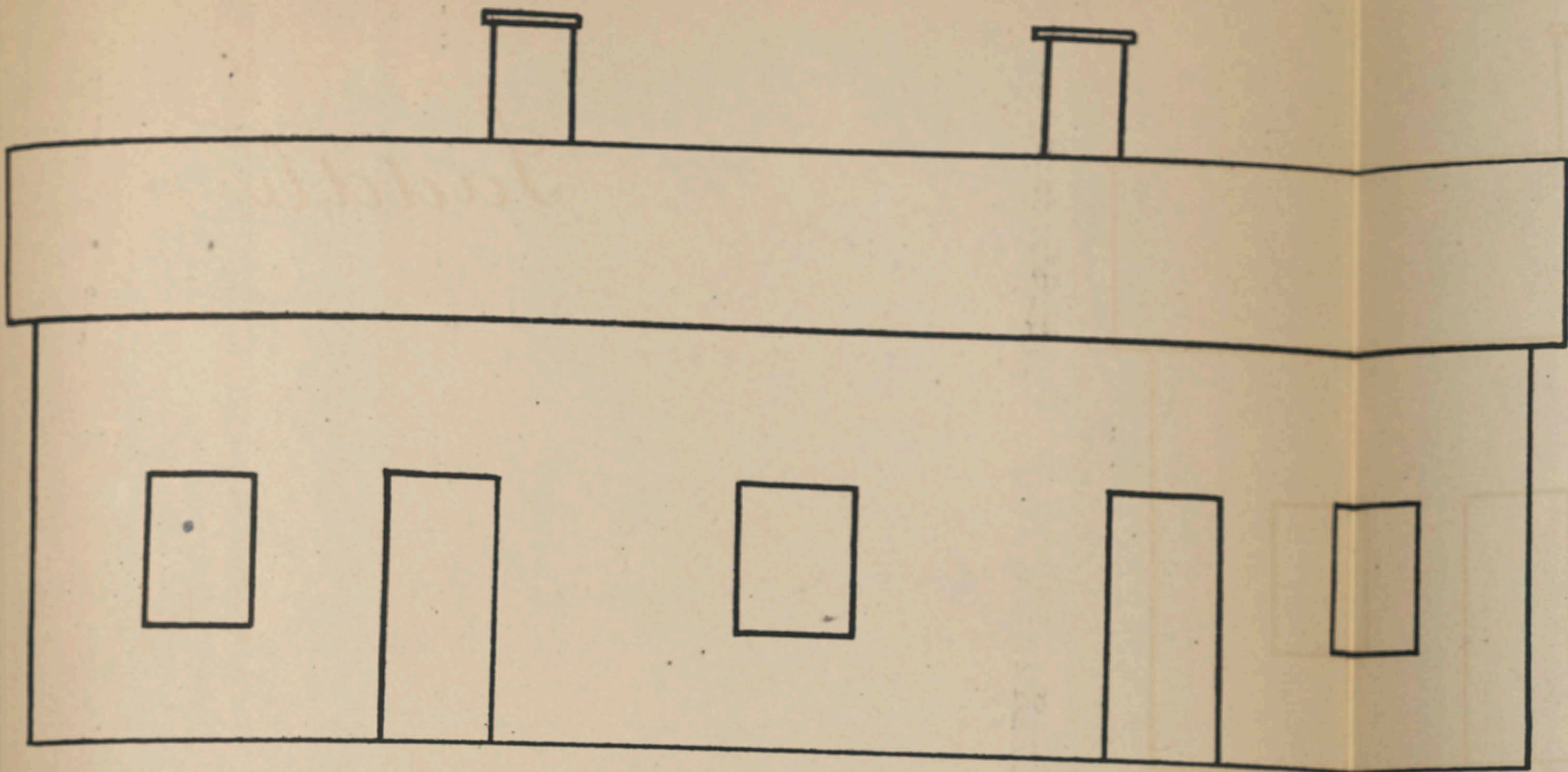
50 x 30



Wheelwright shop



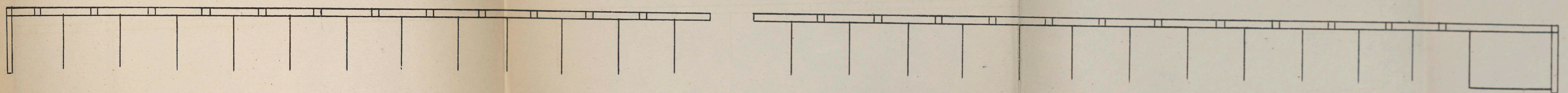
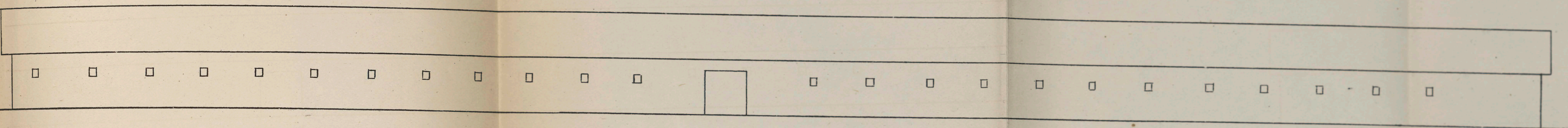
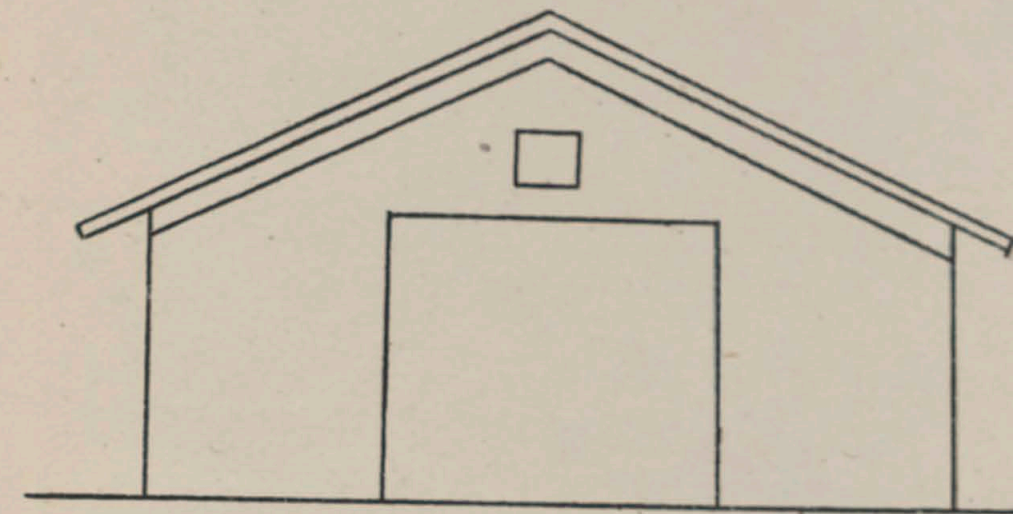
Saddler & Tin Shop



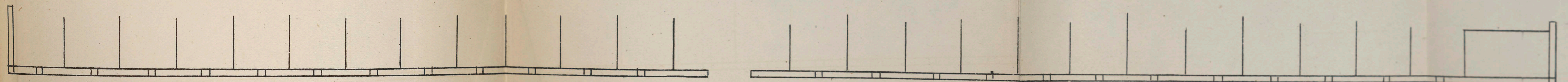
HOUSE EX. DOC. No. 160, 1st SESS., 47th CONG.

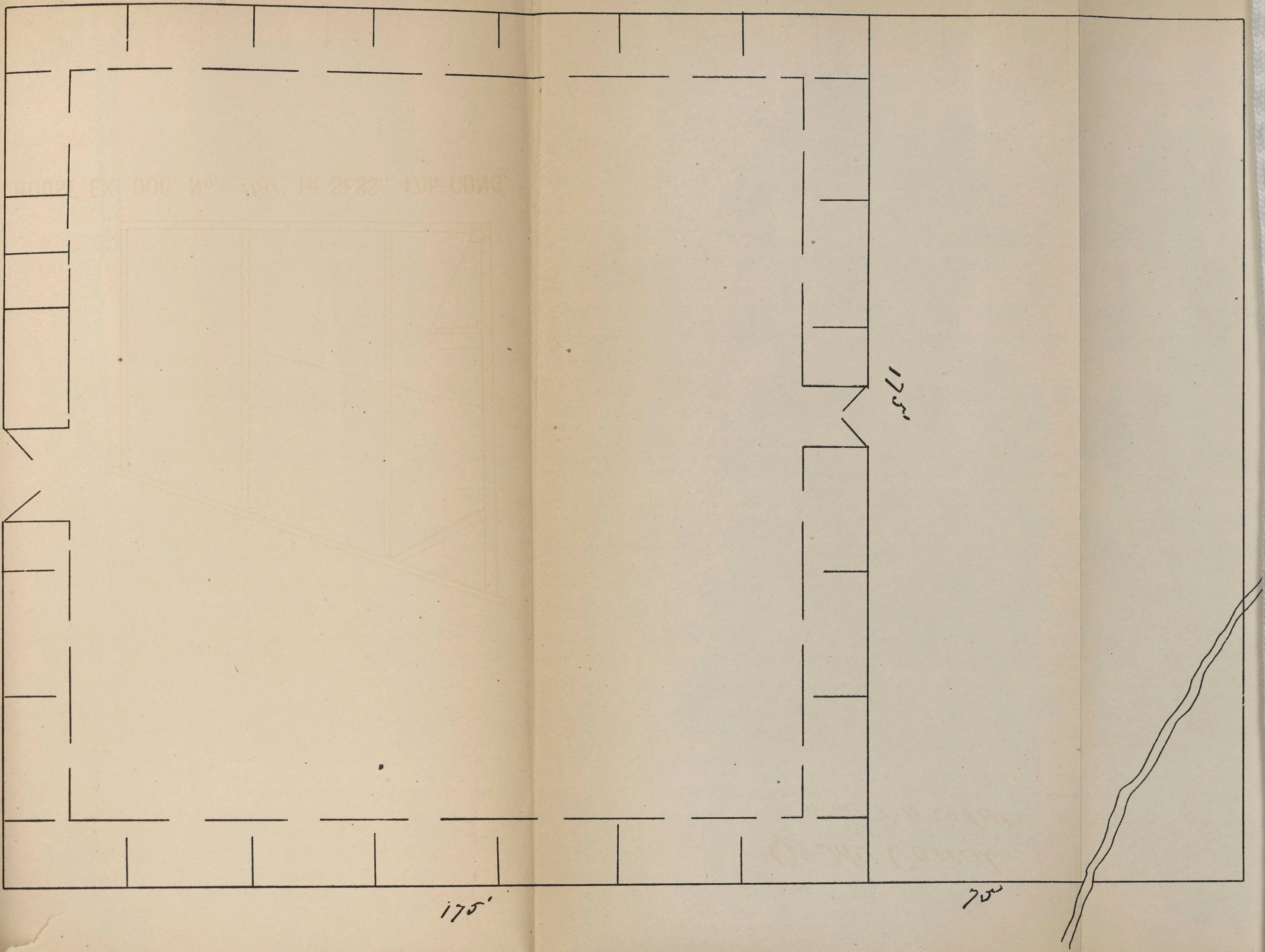
Cavalry Stables

1' to 20 feet

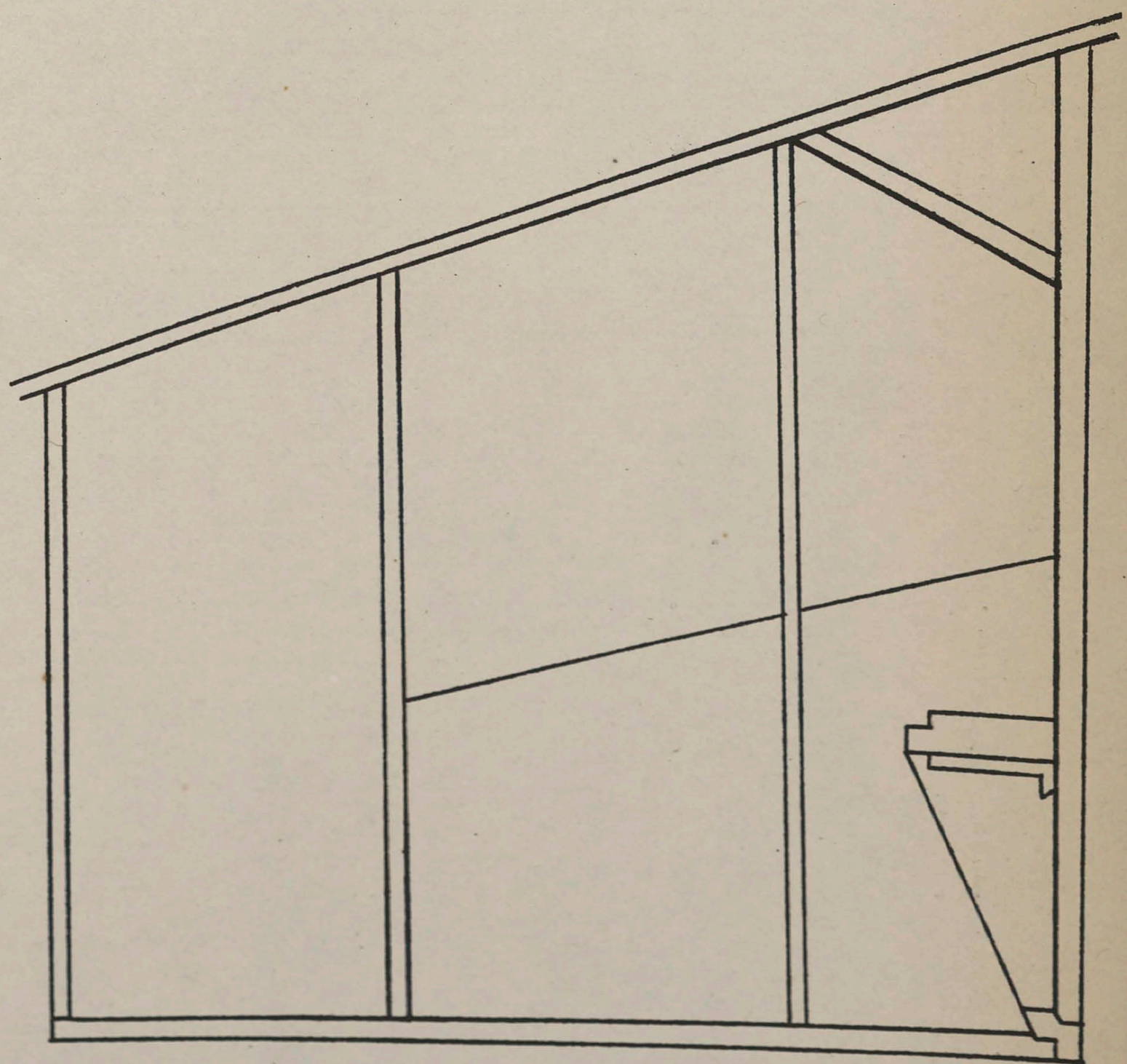


270 x 34





Qr. Mr. Corral
Scale 1" to 25 feet



Grainhouse (Brick)

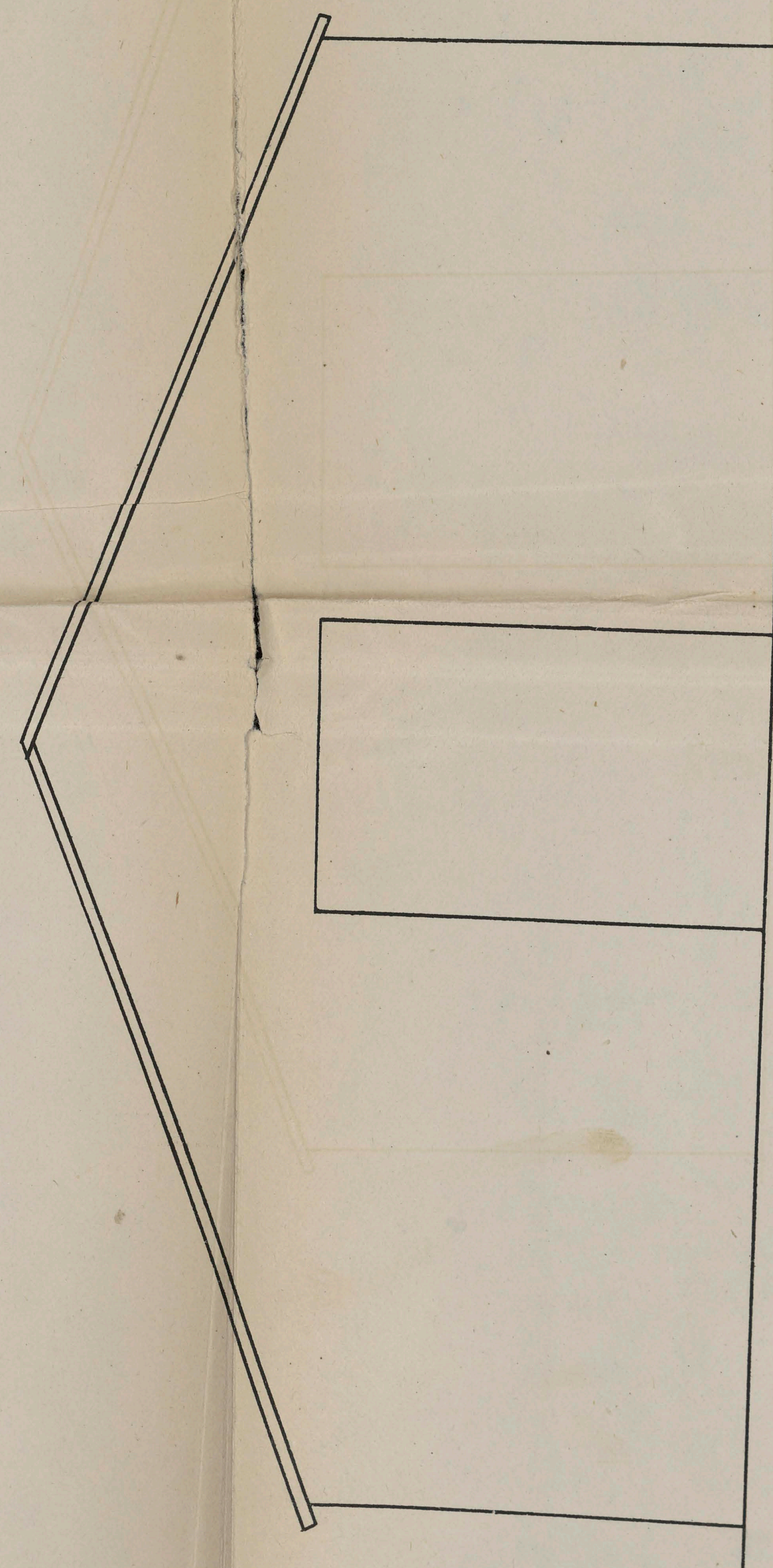
Capacity 20,000 bushels

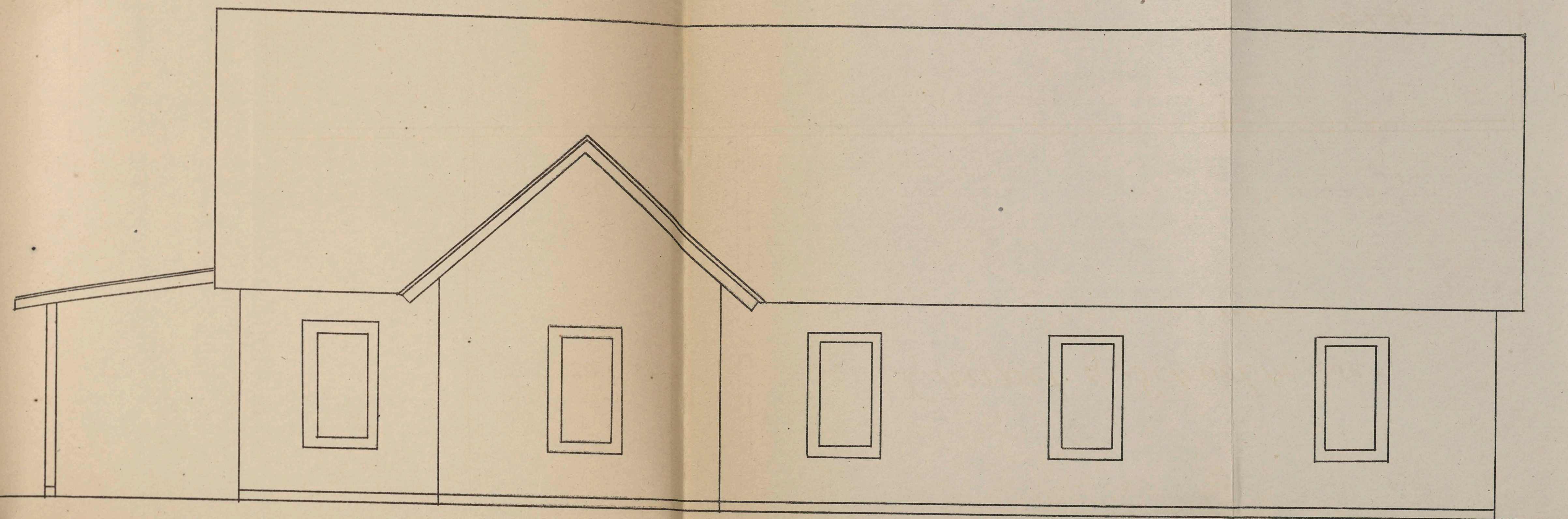
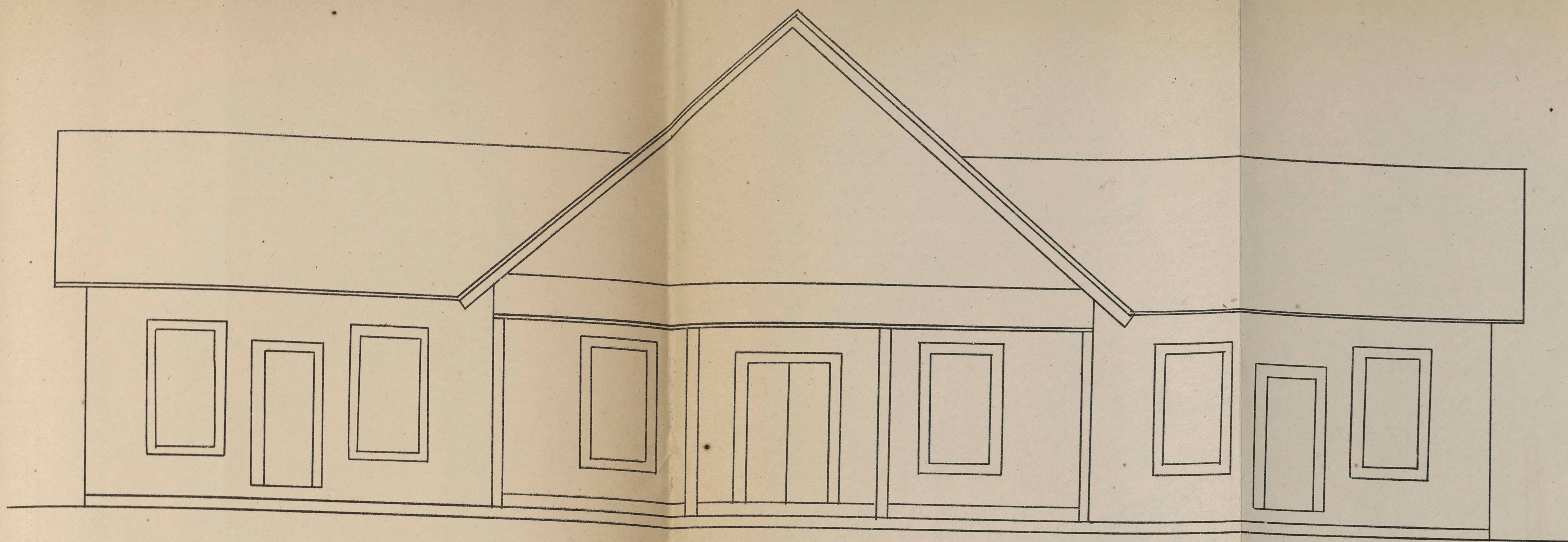
Scale 1/8" to 1 foot

Foundations 4 feet deep, 2 ft wide

Brick Walls 12"

50x80





20 x 25

Chapel & Schoolhouse

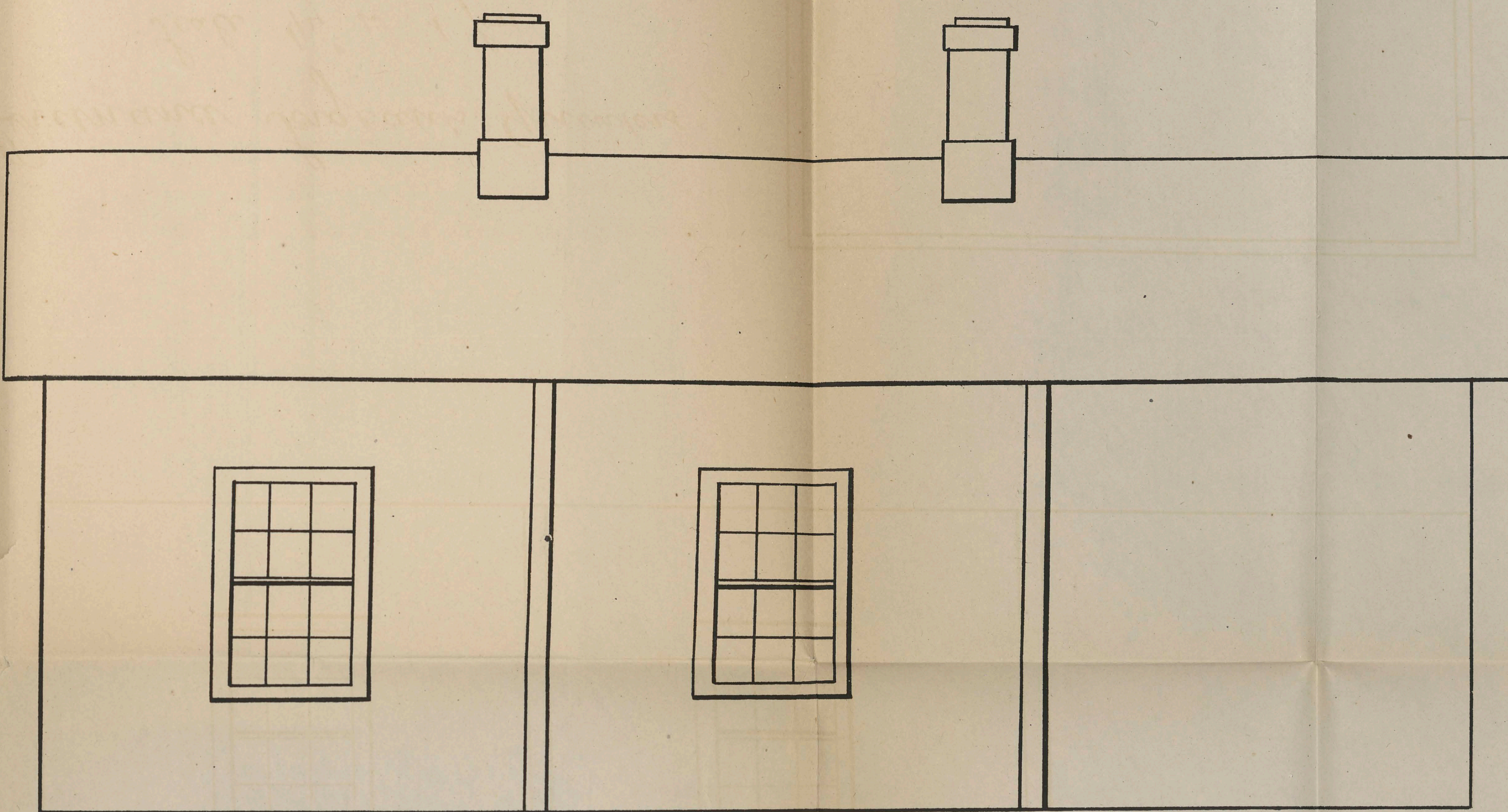
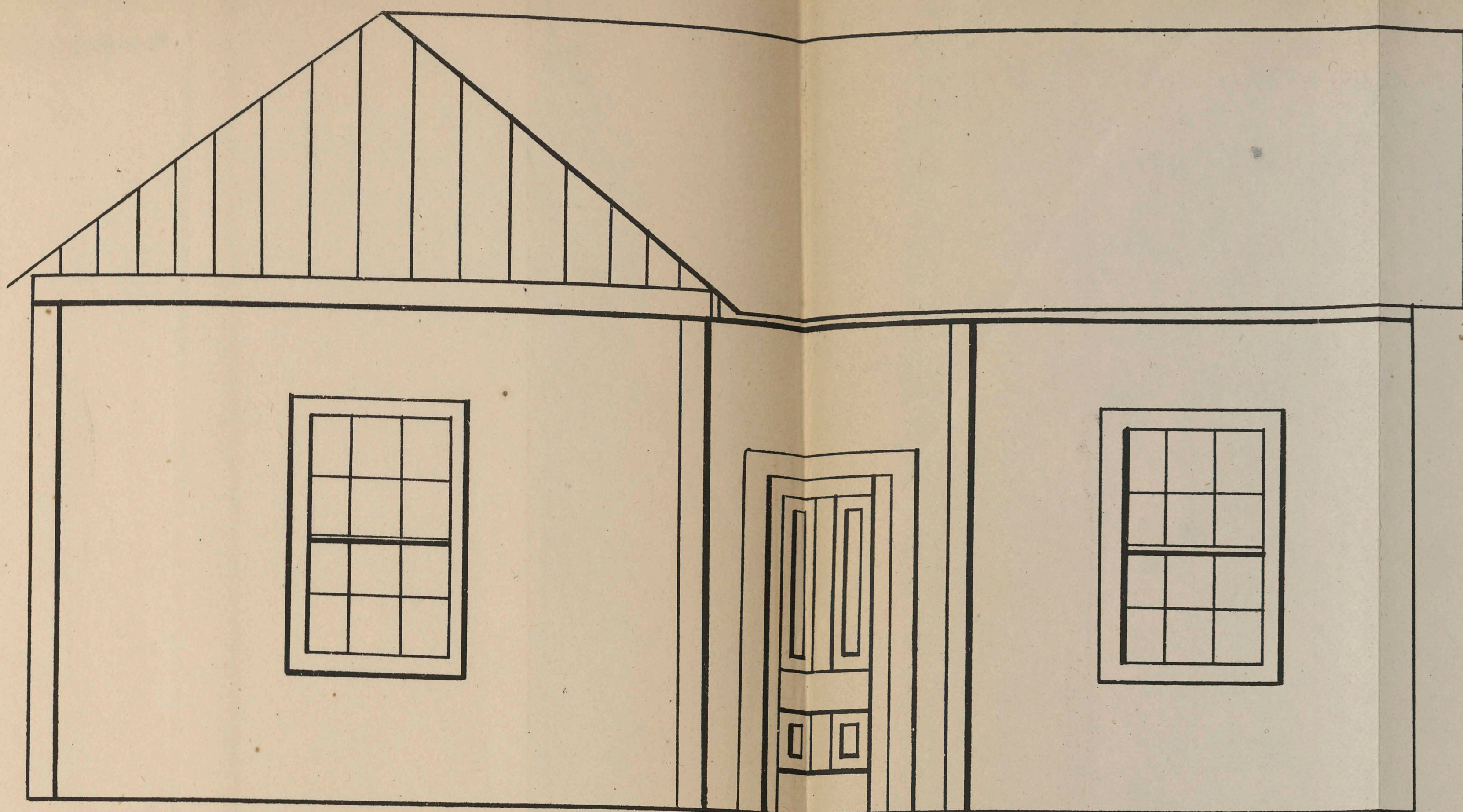
Scale 1/8" to 1 foot

15 x 20

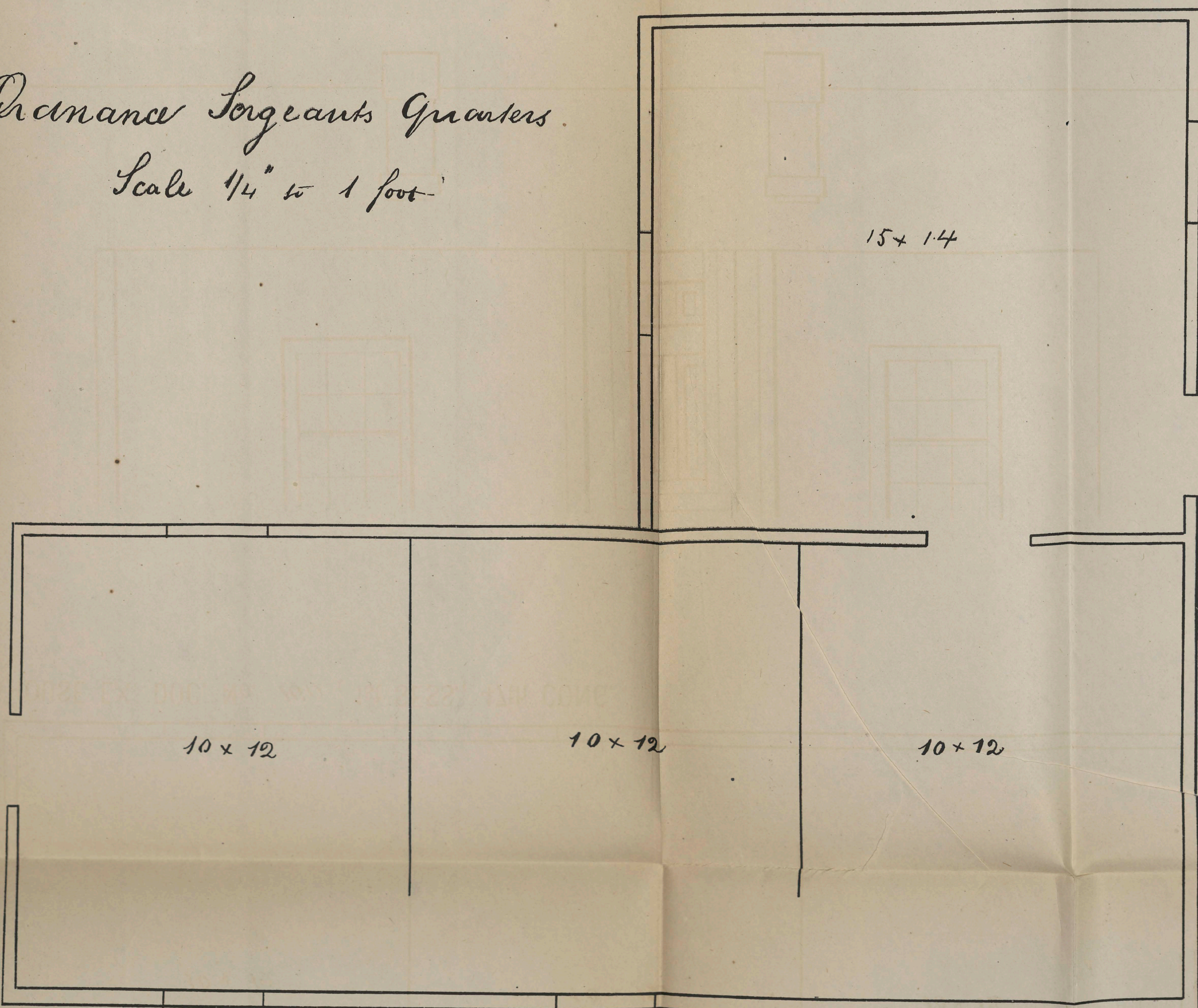
50 x 30

20 x 15

20 x 15



Oranance Sergeants Quarters.
Scale $\frac{1}{4}$ " = 1 foot.



Waterworks
 Scale 1" = 100 feet
 A & T Hydrants

